
COMMERCIAL FERTILIZERS

CONSUMPTION FOR YEAR ENDED

JUNE 30, 1978



Crop
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Board

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For Information Call: (202) 447-7687

TOTAL FERTILIZER CONSUMPTION DOWN 8 PERCENT

Fertilizer consumption in the U.S. and Puerto Rico during the year ended June 30, 1978 is placed at 47.6 million tons, down 8 percent from the 51.6 million tons consumed during the 1976-77 fertilizer year.

Primary nutrient content (nitrogen, N; phosphate, P_2O_5 , and potash, K_2O) was 20.6 million tons, down 7 percent from a year earlier. Nitrogen consumption decreased 6 percent to 10.0 million tons; phosphate usage decreased 9 percent to 5.1 million tons; and potash at 5.5 million tons was down 5 percent.

The five leading States in order of total consumption and the change in consumption from last year were: California, down 15 percent; Illinois, down 16 percent; Iowa, up 2 percent; Indiana, down 4 percent; and Texas, down 7 percent.

Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer. Materials used in the manufacture of registered mixes or for uses in other fertilizer are excluded.

MIXED FERTILIZER DECREASED 8 PERCENT

Consumption of mixed fertilizer containing two or more primary plant nutrients was 22.1 million tons during the 1978 fertilizer year, down 8 percent from 1977. The average analysis for mixed fertilizer was 10.73 percent nitrogen; 19.64 percent phosphate, and 12.79 percent potash. The analysis for the preceding year was 10.54-19.29-12.50.

DIRECT APPLICATION MATERIALS DECREASED 7 PERCENT

Usage of all direct application materials decreased 7 percent during the 1977-78 fertilizer year to 25.5 million tons. Primary nutrient material (N, P_2O_5 , K_2O) accounted for 23.6 million tons of the total compared with 25.0 million tons a year earlier. Secondary and micronutrient materials decreased from 2.5 million tons in 1977 to 1.9 million tons in 1978.

MICRONUTRIENTS SOLD FOR FERTILIZER

Sales of selected micronutrient elements for use in fertilizer were obtained from known primary producers. These tonnages shown in Table 19 indicate increases of 51 percent for molybdenum, 15 percent for zinc, and 8 percent for copper. Iron consumption decreased 10 percent and manganese decreased 7 percent.

DATA SOURCES AND RELEASE DATES

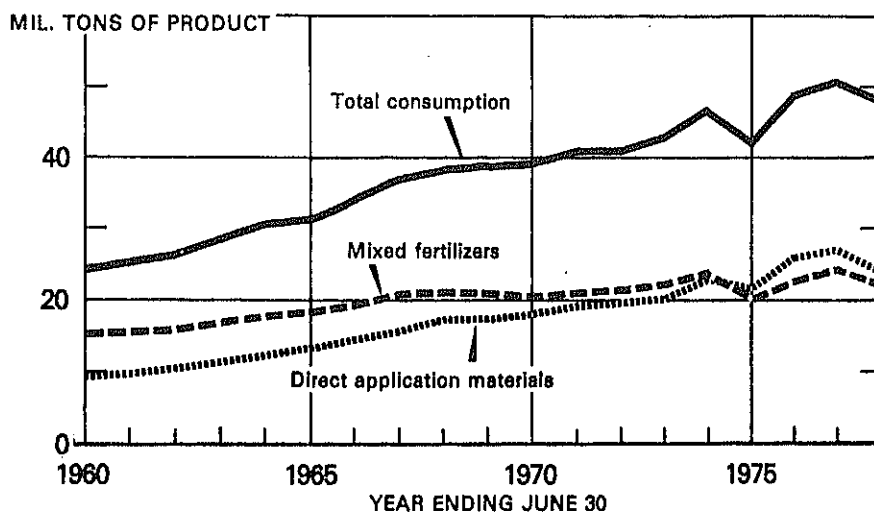
This report, compiled by the Crop Reporting Board of the Economics, Statistics, and Cooperatives Service, is based on fertilizer tonnage reports prepared by State Fertilizer Control Officials and the voluntary response of more than 1,500 fertilizer manufacturers, blenders and sales outlets.

Current year consumption data will be subject to revision one year from now. The Consumption by Class Report will be released by the Crop Reporting Board on December 1, 1978, at 3 p.m.

TABLE 1--UNITED STATES CONSUMPTION OF FERTILIZERS AND PLANT NUTRIENTS
1960-1978

YEAR ENDED JUNE 30	TOTAL CONSUMPTION							
	GROSS TONNAGES			PRIMARY NUTRIENT CONTENT				
	MIXED FERTI- LIZER	PRIMARY NUTRIENT MATERIAL	SECONDARY & MICRO- NUTRIENTS	TOTAL	N	AVAILABLE P ₂ O ₅	K ₂ O	TOTAL
	1,000 TONS							
1960	15,650	7,850	1,378	24,877	2,738.0	2,572.4	2,153.3	7,463.7
1961	15,735	8,639	1,194	25,567	3,030.8	2,645.1	2,168.5	7,844.4
1962	16,205	9,100	1,310	26,615	3,370.0	2,807.0	2,270.5	8,447.5
1963	17,157	10,229	1,459	28,844	3,929.1	3,072.9	2,503.4	9,505.4
1964	18,093	11,113	1,475	30,681	4,352.8	3,377.8	2,729.7	10,460.3
1965	18,559	11,756	1,521	31,836	4,638.5	3,512.2	2,834.5	10,985.2
1966	19,659	13,412	1,461	34,532	5,326.3	3,897.1	3,221.2	12,444.6
1967	21,132	14,552	1,397	37,081	6,027.1	4,304.7	3,641.8	13,973.6
1968	21,294	15,832	1,617	38,743	6,787.6	4,453.3	3,792.6	15,033.5
1969	21,234	16,380	1,334	38,949	6,957.6	4,665.6	3,891.6	15,514.8
1970	20,961	17,331	1,297	39,589	7,459.0	4,573.8	4,035.5	16,068.3
1971	21,513	18,389	1,216	41,118	8,133.6	4,803.4	4,231.4	17,168.4
1972	21,511	18,385	1,310	41,206	8,022.3	4,863.7	4,326.8	17,212.8
1973	22,547	19,275	1,466	43,288	8,295.1	5,085.2	4,648.7	18,029.0
1974	24,067	20,897	2,130	47,094	9,157.2	5,098.6	5,082.6	19,338.4
1975	20,647	19,959	1,878	42,484	8,600.8	4,506.8	4,453.2	17,560.9
1976	22,958	23,935	2,296	49,189	10,411.6	5,227.6	5,209.7	20,848.8
1977	24,099	24,999	2,525	51,624	10,647.4	5,629.7	5,833.8	22,110.9
1978	22,121	23,589	1,877	47,587	9,973.5	5,099.3	5,526.7	20,599.5

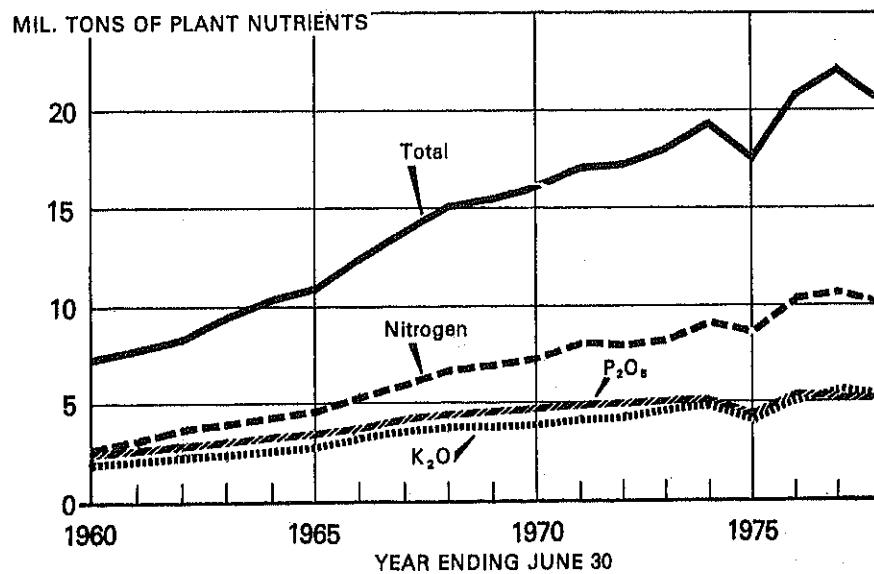
CONSUMPTION OF MIXED FERTILIZERS AND DIRECT APPLICATION MATERIALS



U.S. DEPARTMENT OF AGRICULTURE

NEG. SRS 76-77 (9) STATISTICAL REPORTING SERVICE

PLANT NUTRIENT CONSUMPTION



U.S. DEPARTMENT OF AGRICULTURE

NEG. SRS 76-77 (9) STATISTICAL REPORTING SERVICE

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1977 AND 1978 1/ 2/

KIND	UNITED STATES		1978			
	1977	1978	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL
	TONS					
MIXTURES						
TOTAL	24,099,428	22,121,250	279,234	1,489,455	5,382,707	4,773,424
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	4,927,474	4,538,137	0	19,650	64,119	1,042,769
AQUA AMMONIA	655,133	576,281	12	53	588	16,038
AMMONIUM NITRATE	2,738,710	2,448,824	2,138	32,577	308,538	112,547
AMMONIUM NITRATE-LIMESTONE	17,332	12,189	0	178	7,857	106
AMMONIUM SULFATE	1,050,582	899,339	67	8,261	17,156	50,825
CALCIUM CYANAMIDE	3,813	4,131	0	0	0	116
CALCIUM NITRATE	58,839	62,029	357	1,799	16,305	4,366
NITROGEN SOLUTIONS	5,794,636	5,481,884	1,069	150,920	1,111,216	1,501,964
SODIUM NITRATE	73,626	62,637	80	1,943	50,958	212
UREA	1,931,830	1,935,720	13,255	100,734	15,986	450,496
OTHER	291,733	429,026	3,155	10,678	27,546	168,315
TOTAL	17,543,708	16,450,217	20,133	326,793	1,620,269	3,347,754
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	1,152	438	15	69	25	127
CASTOR POMACE	274	234	196	10	28	0
COMPOST	24,911	35,429	6,569	5,485	379	2,806
COTTONSEED MEAL	569	6,905	64	44	279	34
DRIED MANURE	215,859	208,975	10,892	12,075	20,270	22,541
ACTIVATED SEWAGE SLUDGE	65,710	64,811	3,477	9,885	19,451	17,845
OTHER SEWAGE SLUDGE	49,662	58,024	1,411	338	619	57
TANKAGE	20,070	16,365	11	38	15,757	0
OTHER	16,996	14,771	1,412	3,793	783	3,079
TOTAL	395,205	403,952	24,047	31,737	57,591	46,189
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	652,123	657,686	3,246	17,801	19,066	912
BASIC SLAG	117,619	89,575	0	0	30,424	0
RAW AND STEAMED BONE MEAL	1,708	1,426	191	560	185	257
PHOSPHORIC SOLUTIONS	35,449	36,640	0	0	73	4,790
PHOSPHATE ROCK	22,401	20,320	10	909	1,679	626
COLLOIDAL PHOSPHATE	3,015	4,993	0	591	538	683
SUPERPHOSPHATE GRADES:						
18 PERCENT	16,892	29,307	16	1	1,972	15,018
19 PERCENT	2,105	1,884	0	0	1,243	0
20-22 PERCENT	115,017	75,275	338	1,498	18,406	2,696
23-44 PERCENT	306,214	241,558	926	17,051	4,696	126,014
45 PERCENT	239,903	224,810	60	667	11	54,989
46 PERCENT	682,410	571,795	1,030	8,855	13,521	273,155
47-54 PERCENT	14,259	38,291	0	12,077	9	1,222
OTHER	60,454	62,087	2,549	892	9,911	315
TOTAL	2,269,569	2,055,647	8,366	60,902	101,934	480,677
POTASH MATERIALS						
LIME POTASH	27,812	19,529	0	2	169	788
MANURE SALTS	1,321	6,042	0	13	983	1,100
POTASSIUM CHLORIDE	4,398,573	4,295,417	10,996	114,603	87,982	2,325,643
POTASSIUM MAGNESIUM SULFATE	128,032	116,667	262	2,154	35,930	13,945
POTASSIUM NITRATE 4/	7,180	10,764	52	251	5,094	775
POTASSIUM SODIUM NITRATE	74,588	70,561	103	2,842	62,313	80
POTASSIUM SULFATE	51,100	61,299	2	1,348	1,810	5,229
OTHER	101,466	98,871	153	1,058	5,188	32,555
TOTAL	4,790,672	4,679,150	11,568	122,271	199,469	2,380,115
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	135	39	6	14	10	8
BORON COMPOUNDS 5/	10,272	11,852	75	881	885	2,379
CALCIUM SULFATE (GYPSUM)	1,973,788	1,486,741	166	1,255	266,706	1,084
COPPER COMPOUNDS 5/	1,630	646	1	22	303	28
IRON COMPOUNDS 5/	15,553	11,094	2	9	438	140
MAGNESIUM COMPOUNDS 5/	12,760	4,292	141	699	1,173	280
MANGANESE COMPOUNDS 5/	12,816	10,349	0	688	5,012	2,081
SULFUR 5/	45,488	121,483	0	41	6,130	2,783
SULFURIC ACID	7,674	40,403	0	0	381	0
ZINC COMPOUNDS 5/	68,269	66,696	15	30	994	953
OTHER	377,308	122,994	20	2,435	16,332	15,262
TOTAL	2,525,093	1,876,589	426	6,074	298,364	24,998
TOTAL ALL FERTILIZERS	51,623,675	47,586,805	343,774	2,037,232	7,660,334	11,053,157

SEE FOOTNOTES ON PAGE 7.

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1977 AND 1978 1/ 2/--CONTINUED

KIND	1978					
	WEST NORTH CENTRAL	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	ALASKA HAWAII PUERTO RICO
	TONS					
<u>MIXTURES</u>						
TOTAL	4,119,461	2,100,810	2,439,701	432,158	864,697	239,603
<u>NITROGEN MATERIALS</u>						
ANHYDROUS AMMONIA	2,284,500	135,661	523,495	207,366	260,439	158
AQUA AMMONIA	9,272	137	1,922	26,174	503,694	18,391
AMMONIUM NITRATE	570,203	520,041	503,658	244,583	153,869	670
AMMONIUM NITRATE-LIMESTONE	26	200	0	3,630	192	0
AMMONIUM SULFATE	33,768	3,805	143,659	190,705	440,540	10,553
CALCIUM CYANAMIDE	1,909	0	0	0	2,102	4
CALCIUM NITRATE	111	2,273	0	848	35,917	53
NITROGEN SOLUTIONS	1,442,321	230,099	275,443	252,223	516,609	0
SODIUM NITRATE	290	6,321	640	238	1,975	0
UREA	627,881	128,401	292,141	96,883	199,100	10,843
OTHER	28,217	4,274	18,867	61,070	106,778	126
TOTAL	4,998,498	1,031,212	1,759,825	1,083,720	2,221,215	40,798
<u>NATURAL ORGANIC MATERIALS</u>						
DRIED BLOOD	16	2	2	5	177	0
CASTOR POMACE	0	0	0	0	0	0
COMPOST	2,099	700	10,085	1,893	5,713	0
COTTONSEED MEAL	1,303	88	5,059	0	34	0
DRIED MANURE	4,416	4,684	26,725	4,879	100,493	0
ACTIVATED SEWAGE SLUDGE	6,200	1,850	3,500	927	1,589	87
OTHER SEWAGE SLUDGE	0	0	0	469	55,130	0
TANKAGE	150	406	0	0	3	0
OTHER	960	0	321	160	4,261	2
TOTAL	15,144	7,730	45,692	8,333	167,400	89
<u>PHOSPHATE MATERIALS</u>						
AMMONIUM PHOSPHATE 3/	23,764	232	109,165	126,735	356,555	210
BASIC SLAG	0	52,903	1,496	0	0	4,752
RAW AND STEAMED BONEMEAL	52	9	10	2	146	14
PHOSPHORIC SOLUTIONS	10,270	0	1,269	4,240	15,998	0
PHOSPHATE ROCK	9,062	0	67	554	5,855	1,358
COLLOIDAL PHOSPHATE	3,425	195	21	0	0	0
SUPERPHOSPHATE GRADES:						
18 PERCENT	4,492	1	170	1	7,435	201
19 PERCENT	0	0	0	516	125	0
20-22 PERCENT	2,444	9,169	5,218	1,458	34,048	0
23-44 PERCENT	71,626	15,367	2,553	526	2,792	7
45 PERCENT	48,484	1,935	8,583	74,789	29,383	5,909
46 PERCENT	176,141	66,976	27,925	982	3,210	0
47-54 PERCENT	4,745	15,069	53	2,962	2,109	45
OTHER	3,474	10,777	9,171	11,305	13,689	4
TOTAL	357,579	172,573	165,701	224,070	471,345	12,500
<u>POTASH MATERIALS</u>						
LIME POTASH	76	139	17,840	23	492	0
MANURE SALTS	2,403	474	1,044	0	25	0
POTASSIUM CHLORIDE	1,264,444	283,300	66,414	31,112	106,044	4,879
POTASSIUM MAGNESIUM SULFATE	38,049	3,349	9,300	6,102	7,348	228
POTASSIUM NITRATE 4/	18	14	52	203	4,228	77
POTASSIUM SODIUM NITRATE	8	4,959	227	29	0	0
POTASSIUM SULFATE	861	19,734	7	22,663	9,220	405
OTHER	41,574	13	1,872	442	9,423	6,593
TOTAL	1,347,433	312,002	96,756	60,574	136,780	12,182
<u>SECONDARY AND MICRONUTRIENT MATERIALS</u>						
ALUMINUM COMPOUNDS 5/	1	0	0	0	0	0
BORON COMPOUNDS 5/	1,588	2,373	2	139	3,530	0
CALCIUM SULFATE (GYPSUM)	6,600	53	702	21,257	1,188,918	0
COPPER COMPOUNDS 5/	229	0	9	39	14	1
IRON COMPOUNDS 5/	727	0	8	2,133	6,194	1,443
MAGNESIUM COMPOUNDS 5/	939	107	45	39	361	508
MANGANESE COMPOUNDS 5/	1,894	0	5	604	399	66
SULFUR 5/	14,828	564	235	20,123	76,774	5
SULFURIC ACID	699	0	0	1,943	37,380	0
ZINC COMPOUNDS 5/	17,805	284	170	18,509	27,737	199
OTHER	44,135	15,775	1,197	9,192	18,620	26
TOTAL	89,045	19,136	2,373	73,978	1,359,927	2,248
TOTAL ALL FERTILIZERS	10,927,460	3,643,483	4,510,048	1,882,833	5,221,364	307,420

- 1/ EXCLUDES LINING MATERIALS AND ALL MATERIALS USED IN MAKING MIXTURES.
2/ STATES THAT ARE INCLUDED IN EACH REGION ARE DETAILED IN TABLE 19.
3/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.
4/ ADDITIONAL QUANTITIES MAY HAVE BEEN REPORTED BY GRADE UNDER MIXTURES; SEE TABLE 15.
5/ REPORTED FOR USE PRIMARILY AS DIRECT APPLICATION MATERIAL.

TABLE 3 -- CONSUMPTION OF FERTILIZER MIXTURES AND DIRECT APPLICATION MATERIALS,
YEARS ENDED JUNE 30, 1977 AND 1978 1/

STATE	MIXTURES		DIRECT APPLICATION MATERIALS 2/				TOTAL		1978 AS PERCENT OF 1977
			PRIMARY NUTRIENT		SECONDARY AND MICRO- NUTRIENT		1977	1978	
	1977	1978	1977	1978	1977	1978			
			T O N S						PERCENT
ALA	729,361	687,228	429,512	364,006	16,841	15,740	1,175,714	1,066,974	91
ALAS	7,605	4,185	2,175	1,245	0	0	9,780	5,430	56
ARIZ	53,662	48,260	279,840	233,186	28,338	20,624	361,840	302,070	83
ARK	431,404	368,703	354,702	272,872	1,252	1,301	787,358	642,876	82
CALIF	651,775	661,855	1,970,297	1,944,145	2,001,353	1,315,945	4,623,425	3,921,945	85
COLO	106,041	106,252	237,181	288,488	12,344	13,197	355,566	407,937	115
CONN	45,814	38,777	17,714	21,069	58	117	63,586	59,963	94
DEL	92,097	68,351	49,706	41,823	557	256	142,360	110,430	78
D C	6,574	6,060	988	795	10	205	7,572	7,060	93
FLA	1,609,566	1,648,486	362,128	298,653	32,892	51,689	2,004,586	1,998,828	100
GA	1,521,193	1,295,151	863,360	710,731	152,088	165,652	2,536,631	2,171,534	86
HAW	118,821	133,792	65,718	57,705	6,483	2,248	191,022	193,745	101
IAHMO	94,253	98,733	414,008	482,100	22,037	27,459	530,298	608,292	115
ILL	1,527,693	1,256,543	2,805,470	2,365,503	583	194	4,333,746	3,622,240	84
IND	1,486,379	1,413,031	1,420,694	1,378,230	863	324	2,907,936	2,791,585	96
IOWA	1,154,473	1,127,773	2,039,272	2,120,006	15,083	19,946	3,208,828	3,267,725	102
KANS	474,600	379,971	1,146,389	1,011,316	18,971	31,524	1,639,960	1,422,811	87
KY	634,078	537,981	497,111	446,978	3,146	1,649	1,134,335	986,608	87
LA	422,369	435,463	245,542	218,102	7	208	667,918	653,773	98
MAINE	113,861	103,874	10,263	9,321	1	135	124,125	113,330	91
MD	348,203	290,766	157,236	123,220	347	192	505,786	414,178	82
MASS	53,094	71,471	14,882	14,970	28	62	68,004	86,503	127
MICH	682,438	677,416	505,782	542,989	6,786	5,282	1,195,006	1,225,687	103
MINN	744,918	686,293	1,297,779	1,265,720	15,341	14,293	2,058,038	1,966,306	96
MISS	483,344	425,728	420,122	365,633	1,004	566	904,470	791,927	88
MO	1,318,256	1,116,126	469,249	329,004	151	82	1,787,656	1,445,212	81
MONT	143,946	119,293	148,143	123,343	9,993	7,286	302,082	249,922	83
NEBR	434,017	387,106	1,425,993	1,399,931	16,456	15,942	1,876,466	1,802,979	96
NEV	4,361	4,464	17,982	20,506	3,592	2,391	25,935	27,361	105
N H	16,629	19,382	4,417	4,818	42	57	21,088	24,257	115
N J	183,616	152,109	25,674	28,897	5,901	4,014	215,191	185,020	86
N MEX	34,296	32,747	71,685	76,206	3,844	2,143	109,825	111,096	101
N Y	457,913	451,297	144,219	138,424	3,176	1,005	605,308	590,726	98
N C	1,381,344	1,285,975	622,113	516,926	52,244	54,126	2,055,701	1,857,027	90
N DAK	315,687	272,290	351,345	372,347	613	2,643	667,645	647,280	97
OHIO	1,053,467	962,674	993,344	1,005,487	1,446	2,784	2,048,257	1,970,945	96
OKLA	314,621	237,613	459,283	451,527	90	620	773,994	689,760	89
OREG	87,881	76,160	446,678	415,734	10,917	17,340	545,476	509,234	93
PA	488,905	482,611	193,409	181,394	1,216	374	683,530	664,379	97
R I	14,779	9,386	4,146	4,292	4	0	18,929	13,678	72
S C	665,254	574,777	314,424	262,936	5,496	5,999	985,174	843,712	86
S DAK	133,839	149,902	206,699	220,330	5,573	4,615	346,111	374,847	108
TENN	497,970	449,873	368,157	346,900	940	1,201	859,067	797,974	93
TEX	1,472,267	1,397,922	1,250,808	1,125,473	413	244	2,723,488	2,523,639	93
UTAH	11,236	10,482	114,272	99,413	1,258	675	126,766	110,570	87
VT	44,771	36,344	12,788	9,644	57	55	57,616	46,043	80
VA	643,347	578,318	241,641	190,017	32,232	20,898	917,220	789,233	86
WASH	147,130	126,682	537,571	636,861	23,366	26,642	708,067	790,185	112
W VA	46,110	38,261	30,241	27,150	61	28	76,412	65,439	86
WIS	463,591	463,760	879,776	962,526	8,890	16,414	1,352,257	1,442,700	107
WYO	21,475	11,927	54,256	53,455	709	203	76,440	65,585	86
P R	109,114	101,626	10,970	6,619	0	0	120,084	108,245	90
TOTAL	24,099,428	22,121,250	24,999,154	23,588,966	2,525,093	1,876,589	51,623,675	47,586,805	92

1/ EXCLUDES LIMING MATERIALS. 2/ EXCLUDES MATERIALS USED IN COMMERCIAL MIXTURES.

TABLE 4 -- SEMIANNUAL CONSUMPTION OF FERTILIZER MIXTURES AND MATERIALS,
YEAR ENDED JUNE 30, 1978 1/

STATE	MIXTURES			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1977 TO JUN 30 1978
	JUL 1 TO DEC 31 1977	JAN 1 TO JUN 30, 1978	TOTAL	JUL 1 TO DEC 31 1977	JAN 1 TO JUN 30 1978	TOTAL	
				TONS			
ALA	130,296	556,932	687,228	98,587	281,159	379,746	1,066,974
ALAS	1,590	2,595	4,185	510	735	1,245	5,430
ARIZ	16,579	31,681	48,260	97,239	156,571	253,810	302,070
ARK	80,195	288,508	368,703	88,648	185,525	274,173	642,876
CALIF	275,857	385,998	661,855	1,825,422	1,434,668	3,260,090	3,921,945
COLO	22,241	84,011	106,252	74,346	227,339	301,685	407,937
CONN	4,459	34,318	38,777	4,767	16,419	21,186	59,963
DEL	9,671	58,680	68,351	13,034	29,045	42,079	110,430
D C	1,212	4,848	6,060	150	850	1,000	7,050
FLA	601,697	1,046,789	1,648,486	112,460	237,882	350,342	1,998,828
GA	210,475	1,084,676	1,295,151	186,595	689,788	876,383	2,171,534
HAW	73,298	60,494	133,792	29,607	30,346	59,953	193,745
IDAHO	33,789	64,944	98,733	167,301	342,258	509,559	608,292
ILL	511,403	745,140	1,256,543	734,966	1,630,731	2,365,697	3,622,240
IND	299,727	1,113,304	1,413,031	356,646	1,021,908	1,378,554	2,791,585
IOWA	400,227	727,546	1,127,773	637,154	1,502,798	2,139,952	3,267,725
KANS	172,987	206,984	379,971	382,438	660,402	1,042,840	1,422,811
KY	79,007	458,974	537,981	97,847	350,780	448,627	986,608
LA	95,802	339,661	435,463	98,240	120,070	218,310	653,773
MAINE	22,333	81,541	103,874	1,986	7,470	9,456	113,330
MD	46,290	244,476	290,766	31,355	92,057	123,412	414,178
MASS	11,648	59,823	71,471	3,424	11,608	15,032	86,503
MICH	130,403	547,013	677,416	116,267	432,804	548,271	1,225,687
MINN	249,920	436,373	686,293	533,516	746,497	1,280,013	1,966,306
MISS	106,432	319,296	425,728	104,367	261,832	366,199	791,927
MO	300,269	815,857	1,116,126	42,219	286,867	329,086	1,445,212
MONT	45,393	73,900	119,293	30,913	99,716	130,629	249,922
NEBR	67,410	319,696	387,106	286,911	1,128,962	1,415,873	1,802,979
NEV	1,248	3,216	4,464	6,615	16,282	22,897	27,361
N H	4,347	15,035	19,382	1,363	3,512	4,875	24,257
N J	30,896	121,213	152,109	9,006	23,905	32,911	185,020
N MEX	8,879	23,868	32,747	21,487	56,862	78,349	111,096
N Y	99,831	351,466	451,297	33,922	105,507	139,429	590,726
N C	138,224	1,147,751	1,285,975	104,480	466,572	571,052	1,857,027
N DAK	64,049	204,241	272,290	143,130	231,860	374,990	647,280
OHIO	233,480	729,194	962,674	265,571	742,700	1,008,271	1,970,945
OKLA	115,044	122,569	237,613	233,565	218,582	452,147	689,760
ORE	23,779	52,381	76,160	113,901	319,173	433,074	509,234
PA	103,133	379,478	482,611	42,331	139,437	181,768	664,379
R I	1,643	7,743	9,386	987	3,305	4,292	13,678
S C	75,121	499,656	574,777	51,497	217,438	268,935	843,712
S DAK	35,039	114,863	149,902	69,106	155,839	224,945	374,847
TENN	82,777	367,096	449,873	100,949	247,152	348,101	797,974
TEX	419,020	978,902	1,397,922	368,643	757,074	1,125,717	2,523,639
UTAH	3,590	6,892	10,482	36,765	63,323	100,088	110,570
VT	8,904	27,440	36,344	2,134	7,565	9,699	46,043
VA	79,706	498,612	578,318	51,401	159,514	210,915	789,233
WASH	31,706	94,976	126,682	229,659	433,844	663,503	790,185
W VA	9,994	28,267	38,261	10,492	16,686	27,178	65,439
WIS	152,315	311,445	463,760	395,573	583,367	978,940	1,442,700
WYO	6,917	5,010	11,927	20,462	33,196	53,658	65,585
P R	37,602	64,024	101,626	3,640	2,979	6,619	108,245
TOTAL	5,771,854	16,349,396	22,121,250	8,473,594	16,991,961	25,465,555	47,586,805

1/ EXCLUDES LIMING MATERIALS

2/ INCLUDES PRIMARY NUTRIENT MATERIALS (N, P₂O₅, K₂O) AND SECONDARY/MICRONUTRIENT MATERIALS FOR DIRECT APPLICATION

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1977, AND 1978

STATE	AMMONIA				AMMONIUM			
	ANHYDROUS		AQUA		NITRATE		SULPHATE	
	1977	1978	1977	1978	1977	1978	1977	1978
----- TONS -----								
ALA	26,879	19,099	0	0	211,313	187,772	5,170	2,934
ALAS	0	0	0	0	510	670	0	0
ARIZ	53,060	43,425	21,436	15,544	7,103	3,770	10,459	8,811
ARK	13,662	9,792	184	1	77,916	56,127	6,026	80
CALIF	208,857	173,780	392,849	374,186	63,658	74,361	381,042	328,168
COLO	75,785	78,727	41	0	50,103	63,849	25,155	22,194
CONN	0	0	0	3	806	111	12	2
DEL	1,910	1,257	0	0	1,731	1,200	1,377	714
D C	1	0	0	0	70	75	6	0
FLA	26,854	7,885	542	178	73,546	58,965	10,144	7,428
GA	59,365	39,371	0	90	165,145	152,260	9,279	5,533
HAW	0	0	14,954	15,660	0	0	1,325	8,013
IDAHO	47,396	49,812	7,346	10,574	65,009	65,134	116,087	122,257
ILL	657,792	496,492	33,033	10,615	45,229	48,453	7,764	5,161
IND	260,032	236,485	3,331	1,332	6,883	1,278	17,592	14,775
IOWA	588,546	654,360	15,569	710	79,494	72,713	9,704	11,180
KANS	461,982	395,370	185	0	198,289	167,424	7,272	3,757
KY	45,282	42,905	0	137	128,703	78,756	642	871
LA	32,199	27,482	992	1,010	91,905	93,021	21,950	19,001
MAINE	0	0	0	0	1,154	1,123	1,011	0
MD	7,752	5,889	0	0	14,261	11,369	2,941	2,142
MASS	2	0	0	12	599	377	86	16
MICH	94,992	91,708	212	1,109	16,357	20,035	6,652	9,679
MINN	357,564	319,918	7,369	3,269	73,185	49,205	5,077	5,982
MISS	51,181	59,274	0	0	187,246	159,027	0	0
MO	162,550	85,403	67	25	80,338	84,068	248	0
MONT	6,055	2,607	148	47	69,115	57,519	5,174	3,969
NEBR	625,951	608,219	6,296	3,807	134,791	112,161	9,282	10,482
NEV	752	524	0	0	640	774	3,481	3,964
N H	0	0	0	0	228	466	16	17
N J	149	156	0	9	520	2,575	37	25
N MEX	20,363	20,897	51	9	2,771	2,091	3,116	2,976
N Y	8,962	8,481	0	0	11,583	8,261	2,128	2,364
N C	15,913	13,173	313	86	65,855	54,805	2,761	1,262
N DAK	133,481	189,128	0	0	39,653	26,712	1,818	1,271
OHIO	135,831	125,537	143	304	22,973	14,575	18,227	15,783
OKLA	152,744	157,478	0	0	132,427	120,545	7,544	3,507
OREG	18,028	18,053	29,110	21,398	17,112	22,182	109,933	76,332
PA	3,293	3,867	9	44	5,399	4,425	6,047	3,016
R I	8	0	0	0	8	14	0	0
S C	3,813	3,629	0	223	35,434	28,911	2,623	1,605
S DAK	32,070	32,102	3,926	1,461	60,717	57,920	521	1,096
TENN	16,392	14,383	0	0	109,219	94,486	0	0
TEX	367,446	328,743	1,393	911	231,736	233,965	149,980	121,071
UTAH	2,081	3,095	0	0	30,606	26,846	28,646	26,417
VT	140	0	0	0	629	47	0	32
VA	289	61	0	21	17,822	13,597	3,236	1,328
WASH	55,015	68,606	107,936	108,110	50,108	57,326	38,440	36,020
W VA	435	0	0	0	6,689	4,672	133	0
WIS	86,218	92,547	2,046	2,678	26,267	28,206	6,775	5,427
WYO	7,821	8,279	32	0	25,855	24,600	843	117
P R	1,277	158	5,620	2,731	0	0	2,800	2,540
TOTAL	4,927,474	4,538,157	655,133	576,281	2,738,710	2,448,824	1,050,582	899,339

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1977, AND 1978--CONTINUED

STATE	NITROGEN SOLUTIONS		SODIUM NITRATE		UREA		AMMONIUM NITRATE-LIMESTONE	
	1977	1978	1977	1978	1977	1978	1977	1978
-- TONS --								
ALA	86,456	67,080	1,538	1,136	10,585	4,430	225	200
ALAS	0	0	0	0	1,580	510	0	0
ARIZ	69,761	75,740	0	0	43,407	34,022	4,342	3,155
ARK	35,104	20,748	1,393	6	187,971	142,643	0	0
CALIF	337,129	345,814	370	1,975	73,000	79,535	0	192
COLO	40,150	76,093	21	2	7,156	11,177	25	19
CONN	850	96	100	43	4,580	3,642	0	0
DEL	27,151	21,667	21	17	2,207	2,450	0	0
D C	50	60	0	0	70	90	0	0
FLA	88,044	77,087	3,914	1,850	8,839	6,694	12,032	6,942
GA	516,477	399,371	4,368	5,235	1,415	1,147	5	837
HAW	0	0	14	0	9,481	9,670	1	0
IDAHO	58,443	59,267	0	0	25,341	26,018	0	0
ILL	545,665	505,944	0	1	150,175	129,380	165	0
IND	458,485	508,802	0	0	32,214	31,737	0	106
IOWA	393,445	453,040	0	0	173,007	176,363	0	0
KANS	299,144	286,367	0	0	72,573	70,625	0	0
KY	71,643	82,132	1,209	1,346	46,653	36,924	26	0
LA	24,878	17,880	627	552	28,516	23,625	0	0
MAINE	0	0	49	12	2,277	2,845	0	0
MD	66,707	49,806	606	517	11,933	10,580	0	0
MASS	567	512	49	22	2,418	2,447	0	0
MICH	105,419	95,200	31	42	69,747	73,970	5	0
MINN	147,932	119,959	0	0	111,801	175,727	0	0
MISS	50,184	41,820	2,896	2,727	59,255	46,342	0	0
MO	107,381	85,898	272	290	68,077	42,918	4	3
MONT	5,143	5,121	0	0	9,261	14,741	5	0
NEBR	378,917	405,566	312	0	33,391	51,501	0	0
NEV	4,961	7,716	0	0	421	185	2	29
N H	1,137	0	3	2	31	992	0	0
N J	4,710	3,771	496	448	1,188	5,836	78	20
N MEX	13,759	15,213	0	0	7,214	6,909	50	7
N Y	44,311	41,333	876	776	20,372	21,519	0	158
N C	399,436	326,178	38,876	32,295	4,441	2,048	309	0
N DAK	46,139	45,669	0	0	87,955	68,735	0	0
OHIO	283,015	271,976	183	169	123,017	133,542	0	0
OKLA	55,873	54,849	99	82	48,321	46,363	0	0
OREG	56,594	54,639	83	0	70,227	62,179	2	0
PA	41,265	34,157	223	59	47,194	55,875	21	0
R I	1	4	4	1	411	573	0	0
S C	221,466	174,673	9,017	8,367	1,607	1,622	0	0
S DAK	38,367	45,822	0	0	32,212	42,012	0	23
TENN	52,143	39,067	1,388	1,112	31,785	40,705	0	0
TEX	210,734	181,966	0	0	73,292	79,510	0	0
UTAH	4,066	1,380	0	184	2,220	1,799	35	420
VT	1,507	457	0	0	1,998	2,736	0	0
VA	175,025	133,907	4,499	3,211	11,741	4,475	0	78
WASH	96,856	116,156	0	0	38,504	57,386	0	0
W VA	5,781	126	95	126	3,132	4,384	0	0
WIS	114,146	120,042	0	0	74,203	81,867	0	0
WYO	8,419	11,693	0	52	2,700	2,032	0	0
P R	0	0	0	0	714	663	0	0
TOTAL	5,794,636	5,481,864	73,626	62,657	1,931,830	1,935,720	17,332	12,189

TABLE 6 -- DIRECT APPLICATION NITROGEN, AND SECONDARY AND MICRONUTRIENT MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1977, AND 1978

STATE	NITROGEN MATERIALS		SECONDARY AND MICRONUTRIENT			
	OTHER		GYPSUM		OTHER	
	1977	1978	1977	1978	1977	1978
----- TONS -----						
ALA	580	836	202	1	16,639	15,739
ALAS	0	0	0	0	0	0
ARIZ	737	3,245	9,856	9,353	18,482	11,271
ARK	25	8,027	0	0	1,252	1,301
CALIF	50,580	48,786	1,668,562	1,169,714	332,791	146,231
COLO	1,888	1,136	702	613	11,642	12,584
CONN	202	1,512	34	80	24	37
DEL	75	104	0	0	557	256
D C	53	65	0	0	10	205
FLA	6,069	5,152	18,280	25,239	14,612	26,450
GA	3,050	4,339	149,454	164,119	2,634	1,533
HAW	4,472	183	6	0	6,477	2,248
IDAH0	8,621	49,519	3,989	2,367	18,048	25,092
ILL	22,772	54,226	277	0	306	194
IND	98,185	106,564	80	47	783	277
IOWA	12,133	1,648	1,774	3,193	13,309	16,753
KANS	5,467	6,598	0	312	18,971	31,212
KY	2,863	3,437	40	0	3,106	1,649
LA	246	188	0	202	7	6
MAINE	0	0	0	0	1	135
MD	50	436	0	0	347	192
MASS	273	163	0	42	28	20
MICH	4,368	4,745	137	0	6,649	5,282
MINN	3,695	1,478	3,993	3,016	11,348	11,277
MISS	0	1	0	0	1,004	566
MO	1,969	1,363	41	0	110	82
MONT	1,030	0	9,587	6,791	406	495
NEBR	16,336	16,710	135	57	16,321	15,885
NEV	116	40	2,988	1,780	624	611
N H	155	130	0	44	42	13
N J	1,900	1,238	1,287	1,255	4,614	2,759
N MEX	2,596	2,858	0	0	3,844	2,143
N Y	1,483	1,552	0	0	3,176	1,005
N C	6,745	19,131	51,464	52,210	780	1,916
N DAK	440	0	20	22	593	2,621
OHIO	4,276	6,729	0	138	1,446	2,646
OKLA	176	1,985	0	500	90	120
OREG	14,256	31,747	6,750	9,921	4,167	7,419
PA	8,728	3,278	0	0	1,216	374
R I	4	3	0	0	4	0
S C	5,478	6,252	4,425	5,398	1,071	601
S DAK	346	2,440	25	0	5,548	4,615
TENN	3,340	2,273	0	52	940	1,149
TEX	17,398	8,667	0	0	413	244
UTAH	99	4,683	299	340	959	335
VT	2,209	1,704	0	0	57	55
VA	3,579	8,977	30,404	19,740	1,828	1,158
WASH	32,536	64,264	7,627	9,283	15,739	17,359
W VA	1,868	5,804	0	0	61	28
WIS	406	533	1,346	899	7,544	15,515
WYO	711	437	24	13	685	190
P R	0	0	0	0	0	0
TOTAL	354,385	495,186	1,973,788	1,486,741	551,305	389,848

TABLE 7 -- DIRECT APPLICATION PHOSPHATE MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1977, AND 1978

STATE	PHOSPHATE ROCK 1/		SUPERPHOSPHATES				AMMONIUM PHOSPHATES 2/		OTHER PHOSPHATES	
			22 PERCENT & UNDER		OVER 22 PERCENT					
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
-- -- -- TONS -- -- --										
ALA	0	0	6,666	6,279	0	300	13	173	47,815	44,320
ALAS	0	0	0	0	40	45	0	0	0	0
ARIZ	0	0	743	293	4,631	2,962	56,897	38,356	5,160	1,444
ARK	252	88	939	253	7,963	6,987	649	880	18	3
CALIF	8,827	5,768	55,708	36,333	27,253	25,098	188,468	227,888	35,060	23,766
COLO	0	52	11	11	6,802	6,252	8,366	10,017	423	1,821
CONN	18	4	194	94	745	437	1,706	1,697	1,906	2,580
DEL	0	0	26	18	2,091	2,296	0	0	8	6
D C	0	0	0	0	7	0	0	0	1	25
FLA	625	2,163	12,820	7,795	3	139	3,974	2,262	8,439	11,311
GA	0	0	5,998	2,582	7,968	5,745	56	13,001	32,750	22,005
HAW	3,250	1,358	173	201	9,383	5,916	1,319	210	7,494	4,770
IDAHO	0	0	175	0	23,913	22,023	39,234	40,257	1,029	9,452
ILL	9	0	791	769	302,255	210,999	21	689	1,732	164
IND	0	77	380	688	77,312	78,008	0	0	0	33
IOWA	3,251	11,102	5,270	4,062	141,357	136,218	1,054	1,100	1,397	2,419
KANS	0	0	1,059	1,483	22,974	18,269	7,034	4,953	1,964	832
KY	170	135	1,862	1,403	53,521	49,480	168	59	20	27
LA	627	0	306	221	4,626	2,869	473	341	221	2,385
MAINE	0	0	22	0	177	208	2,371	1,206	22	26
MD	0	0	318	196	12,041	11,051	0	0	37	38
MASS	8	1	330	176	343	337	1,249	6	56	97
MICH	3	47	234	125	15,534	22,469	379	73	200	138
MINN	777	806	106	32	77,903	74,211	5,283	3,698	2,290	3,845
MISS	0	0	508	1,139	17,275	15,163	26	0	29,027	19,338
MO	0	1	13	6	7,111	1,569	110	41	1,109	1,285
MONT	50	0	1	0	10,581	10,083	27,144	21,777	991	291
NEBR	0	0	1,188	920	57,456	40,942	11,272	11,774	1,331	1
NEV	4	0	475	11	1,051	613	3,979	4,527	4	9
N H	0	5	70	83	387	501	0	109	5	34
N J	11	3	218	46	1,234	926	1	416	3,750	530
N MEX	0	0	477	525	9,976	12,198	6,171	5,724	40	0
N Y	443	560	1,183	917	10,059	6,683	239	27	1,763	557
N C	49	50	14,505	9,267	8,562	5,767	0	0	552	1,433
N DAK	0	0	0	0	14,979	15,907	5,520	1,949	0	1,847
OHIO	3,770	765	810	1,210	76,570	82,180	0	14	558	279
OKLA	40	0	590	481	17,281	16,277	8,242	7,791	3,610	8,277
OREG	455	59	7,010	4,608	6,552	3,831	80,488	76,083	21	3,577
PA	1,062	937	355	350	12,924	12,612	17,948	17,358	3,973	263
R I	1	0	7	1	111	35	197	228	2	2
S C	187	199	277	374	3,857	2,878	2,863	2,287	6,602	5,701
S DAK	37	178	25	433	14,477	13,880	112	249	5,239	3,567
TENN	0	0	103	349	38,858	34,404	0	0	0	4
TEX	0	0	5,115	4,433	16,998	12,981	120,122	100,153	3,076	1,281
UTAH	603	502	1,134	1,135	36,721	23,441	6,869	3,652	190	1,718
VT	0	0	0	0	1,251	498	0	0	641	1
VA	2	5	2,285	1,603	4,335	3,708	0	1,516	296	143
WASH	104	28	428	667	9,187	8,565	39,937	52,584	2,399	2,490
W VA	0	0	17	0	4,983	5,082	0	0	12	5
WIS	811	420	3,089	14,922	58,604	61,724	46	136	1,986	4,748
WYO	0	0	0	0	2,634	1,687	2,123	2,425	11	812
P R	0	0	0	0	20	0	0	0	0	0
TOTAL	25,416	25,313	134,014	106,494	1,242,786	1,076,454	652,123	657,686	215,230	189,700

1/ INCLUDES COLLOIDAL PHOSPHATE. 2/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

TABLE 8 -- DIRECT APPLICATION POTASH AND NATURAL ORGANIC MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1977, AND 1978

STATE	POTASH MATERIALS				NATURAL ORGANICS	
	CHLORIDE 50-62 PERCENT GRADES		OTHER		1977	1978
	1977	1978	1977	1978		

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1977 AND 1978 1/2--CONTINUED

STATE	NUTRIENT TONS								1978 AS PERCENT OF 1977
	N		AVAILABLE P2O5		K2O		TOTAL		
	1977	1978	1977	1978	1977	1978	1977	1978	
ALA	188,289	161,706	114,510	108,967	132,312	127,476	435,111	398,149	92
ALAS	1,833	1,019	1,346	872	1,155	623	4,334	2,514	58
ARIZ	109,970	93,804	41,458	29,604	1,199	1,801	152,626	125,209	82
ARK	172,971	135,042	78,422	66,077	96,170	86,118	347,562	287,237	83
CALIF	596,081	572,397	213,158	207,959	69,071	74,441	878,310	854,797	97
COLO	118,131	136,804	43,813	46,802	11,002	9,440	172,946	193,046	112
CONN	8,924	7,780	5,809	5,311	4,776	5,134	19,509	18,226	93
DEL	19,931	15,623	14,253	11,525	23,097	17,868	57,280	45,036	79
D C	1,118	851	489	501	442	395	2,049	1,748	85
FLA	248,670	231,905	112,791	110,951	249,700	256,432	611,161	599,288	98
GA	349,789	286,794	180,308	153,337	273,855	235,884	803,952	676,016	84
HAW	25,720	28,785	23,327	29,952	23,949	23,324	73,036	82,062	112
IDAHO	138,972	160,999	61,075	64,738	12,831	15,077	212,878	240,814	113
ILL	977,607	792,518	587,095	460,481	764,339	665,526	2,329,041	1,918,525	82
IND	495,724	504,245	339,831	324,000	922,017	468,423	1,357,573	1,296,667	96
IOWA	852,350	921,084	417,766	423,895	478,159	458,847	1,748,275	1,803,826	103
KANS	636,832	551,458	198,828	158,404	54,701	43,351	890,362	753,213	85
KY	182,772	157,745	150,456	132,950	169,690	158,032	502,918	448,728	89
LA	124,337	115,996	68,438	71,279	75,368	79,431	268,142	266,706	99
MAINE	14,253	13,346	17,046	15,003	16,856	15,673	48,155	44,022	91
MD	70,217	56,553	59,667	49,906	73,454	59,789	203,339	166,248	82
MASS	9,015	11,501	5,872	7,644	6,607	8,552	21,494	27,697	129
MICH	217,448	216,222	161,701	168,474	219,237	233,884	598,386	618,579	103
MINN	521,019	491,719	295,622	274,678	360,796	358,038	1,177,437	1,124,435	95
MISS	190,516	168,470	90,232	77,609	95,879	92,010	376,628	338,088	90
MO	406,305	308,592	211,435	167,802	268,254	218,608	885,994	695,002	78
MONT	64,824	53,982	74,294	59,816	8,609	5,298	146,927	119,997	81
NEBR	748,938	733,774	185,950	160,434	69,736	63,811	1,004,624	958,019	95
NEV	4,777	5,423	2,091	1,818	159	242	7,027	7,483	106
N H	2,731	3,139	2,192	2,580	2,904	3,278	7,827	8,997	115
N J	24,586	23,225	21,523	17,505	23,170	20,967	69,279	61,718	89
N MEX	32,283	32,263	17,646	16,849	1,612	2,352	51,542	51,465	100
N Y	86,756	84,420	78,471	76,821	81,420	83,947	246,647	245,189	99
N C	261,778	222,283	163,898	150,037	233,117	216,532	658,794	588,852	89
N OAK	229,102	253,062	140,665	120,326	18,685	19,285	388,452	392,673	101
OHIO	363,480	347,186	287,575	268,700	351,311	350,859	1,002,366	966,745	96
OKLA	256,555	243,522	113,231	85,839	34,253	32,144	404,040	361,505	89
OREG	127,191	122,739	50,332	42,123	25,550	26,787	203,074	191,648	94
PA	96,809	98,158	94,696	91,684	88,644	90,616	280,148	280,458	100
R I	2,275	1,482	1,634	1,336	1,616	1,107	5,525	3,924	71
S C	115,979	97,376	77,756	66,766	132,977	115,994	326,713	280,136	86
S OAK	95,760	104,851	55,857	60,797	15,035	15,427	166,652	181,074	109
TENN	131,012	119,551	122,439	111,674	130,322	134,246	383,773	365,471	95
TEX	748,641	685,366	277,671	250,847	98,686	95,244	1,124,998	1,031,457	92
UTAH	23,420	22,355	20,973	14,664	789	2,371	45,182	39,390	87
VT	7,403	6,180	8,556	5,517	7,335	6,469	23,295	18,166	78
VA	114,379	98,675	78,494	72,538	97,476	90,081	290,349	261,293	90
WASH	175,144	211,019	65,343	60,712	30,194	32,875	270,682	304,605	113
W VA	10,675	8,961	10,843	7,889	8,827	8,747	30,345	25,597	84
WIS	203,862	213,979	165,906	170,269	351,855	380,974	721,622	765,222	106
WYO	23,282	22,009	10,357	6,633	1,663	756	35,302	29,397	83
P R	17,767	15,554	6,591	6,407	12,874	12,098	37,232	34,058	91
TOTAL	10,647,403	9,973,491	5,629,732	5,099,303	5,833,775	5,526,721	22,110,915	20,599,514	93

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1977 AND 1978 1/

YEARS ENDED JUNE 30, 1977 AND 1978 1/									
STATE	NUTRIENT TONS								1978 AS PERCENT OF 1977 PERCENT
	N		AVAILABLE P ₂ O ₅		K ₂ O		TOTAL		
	1977	1978	1977	1978	1977	1978	1977	1978	
ALA	60,737	57,850	108,688	102,197	117,834	114,475	287,279	274,521	96
ALAS	944	562	1,324	848	1,130	612	3,398	2,022	60
ARIZ	7,498	6,659	19,684	16,550	389	750	27,571	23,959	87
ARK	37,232	33,257	74,519	62,694	83,749	70,632	195,500	166,583	85
CALIF	82,599	84,691	109,990	110,596	47,872	48,749	240,461	244,036	101
COLO	16,997	17,303	37,138	38,949	2,190	1,481	56,326	57,732	102
CONN	5,797	5,014	3,989	3,198	4,178	3,449	13,963	11,662	84
DEL	8,631	6,381	13,276	10,457	15,139	10,754	37,046	27,591	74
D C	1,004	725	473	481	406	386	1,883	1,592	85
FLA	157,413	167,597	105,249	104,280	222,341	231,016	485,003	502,892	104
GA	87,273	76,279	171,909	141,580	253,670	216,333	512,852	434,192	85
HAW	17,042	19,423	17,628	26,677	18,554	18,972	53,223	65,072	122
IDAHO	16,134	17,380	39,873	39,260	1,074	848	57,081	57,489	101
ILL	181,767	147,858	449,860	364,655	147,436	126,365	779,063	638,888	82
IND	106,175	101,115	304,586	288,441	256,373	239,088	667,134	628,644	94
IOWA	142,069	146,605	350,467	358,243	111,796	97,842	604,332	602,690	100
KANS	70,397	55,078	185,860	148,312	14,438	10,576	270,694	213,966	79
KY	59,770	52,739	125,803	110,142	86,943	72,229	272,515	235,110	86
LA	41,134	41,344	65,839	69,204	68,459	73,157	175,432	183,705	105
MAINE	12,304	11,455	15,774	14,397	15,964	14,530	44,042	40,382	92
MD	32,810	27,389	54,146	44,892	50,414	41,538	137,370	113,819	83
MASS	7,076	9,818	4,890	7,246	5,063	6,768	17,028	23,833	140
MICH	69,877	70,118	153,873	157,638	112,147	109,041	335,898	336,798	100
MINN	104,475	95,538	257,991	238,085	60,141	55,303	422,607	388,926	92
MISS	42,267	33,338	79,560	68,517	83,124	79,559	204,951	181,414	89
MO	182,716	165,247	207,586	166,436	251,060	207,963	641,362	539,646	84
MONT	24,518	20,050	60,948	49,526	616	986	86,082	70,561	82
NEBR	60,224	52,348	156,194	138,652	11,180	10,654	227,598	201,654	89
NEV	775	594	593	398	158	193	1,527	1,185	78
N H	2,111	2,466	1,983	2,259	2,063	2,419	6,156	7,143	116
N J	21,395	17,778	19,773	16,620	19,526	17,142	60,694	51,541	85
N MEX	4,982	4,440	11,448	9,991	672	1,153	17,103	15,584	91
N Y	50,438	50,071	72,666	73,177	65,659	66,027	188,763	189,275	100
N C	91,590	83,274	156,650	144,466	218,828	205,594	467,068	433,334	93
N DAK	82,193	44,312	131,846	111,434	6,006	7,087	190,045	162,833	86
OHIO	104,984	97,226	252,077	230,900	162,640	146,118	519,701	474,244	91
OKLA	45,762	33,757	101,397	71,981	18,474	16,329	165,633	122,067	74
OREG	12,611	12,430	26,172	19,750	5,642	4,768	44,425	36,948	83
PA	49,941	52,544	77,636	76,776	67,472	68,864	195,049	198,184	102
R I	1,962	1,097	1,415	1,137	1,406	878	4,783	3,111	65
S C	33,770	30,307	73,048	62,170	123,443	105,075	230,260	197,552	86
S DAK	22,432	25,884	45,562	51,858	4,469	4,010	72,463	81,752	113
TENN	49,007	44,495	104,483	95,753	67,231	62,122	220,721	202,370	92
TEX	214,313	200,744	240,019	221,765	91,781	86,596	546,113	509,105	93
UTAH	2,258	1,991	2,162	2,053	324	314	4,743	4,358	92
VT	5,006	4,187	7,664	5,262	5,785	4,856	18,455	14,305	78
VA	47,798	48,388	75,843	69,689	88,609	81,227	212,249	199,304	94
WASH	22,414	20,475	50,496	41,882	5,317	4,838	78,228	66,994	86
W VA	4,454	3,313	8,561	5,609	5,076	5,237	18,090	14,159	78
WIS	55,933	55,275	136,567	135,472	62,209	62,727	254,709	253,474	100
WYO	3,659	1,870	8,549	4,849	64	40	12,272	6,760	55
P R	14,680	14,024	6,577	6,402	12,663	11,890	33,890	32,317	95
TOTAL	2,551,338	2,374,113	4,790,304	4,343,606	3,079,197	2,829,560	10,420,834	9,547,279	92

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 10 -- NITROGEN CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1978

STATE	AMMONIA		AMMONIUM		NITROGEN SOLUTIONS	SODIUM NITRATE	UREA	AMMONIUM NITRATE- LIMESTONE	PHOSPHATE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
	ANHYDROUS	AQUA	NITRATE	SULFATE							
-- * -- NUTRIENT TONS -- * --											
ALA	15,661	0	62,904	602	21,463	182	2,016	41	71	111	807
ALAS	0	0	224	0	0	0	232	0	0	0	0
ARIZ	35,609	3,111	1,263	1,850	23,073	0	15,480	536	5,575	35	614
ARK	8,029	0	18,803	17	6,614	1	64,903	0	139	36	3,243
CALIF	142,500	74,837	24,911	68,919	93,930	316	36,188	33	34,256	2,708	9,108
COLO	64,556	0	21,389	4,550	21,819	0	5,086	3	1,564	38	495
CONN	0	0	37	0	25	7	1,666	0	192	223	616
DEL	1,031	0	402	146	6,516	3	1,115	0	0	10	19
D C	0	0	25	0	23	0	41	0	0	9	28
FLA	6,466	53	19,753	1,523	23,099	296	3,046	1,421	1,002	1,069	6,581
GA	32,284	18	51,007	1,162	120,506	838	522	176	1,526	292	2,184
HAW	0	3,210	0	1,683	0	0	4,400	0	32	0	37
IDAHO	40,846	2,168	21,820	25,074	18,965	0	11,838	0	6,107	0	16,201
ILL	407,123	2,140	16,232	1,384	143,549	0	58,868	0	132	244	15,279
IND	193,918	273	428	3,103	143,302	0	14,440	28	1	3	47,634
IOWA	536,575	142	24,359	2,295	129,558	0	80,245	0	286	84	935
KANS	324,203	0	56,087	770	81,550	0	32,134	0	780	58	798
KY	35,182	26	26,383	183	25,435	215	16,800	0	12	67	701
LA	22,535	189	31,162	3,990	5,717	88	10,749	0	50	112	58
MAINE	0	0	376	0	0	2	1,294	0	157	47	14
MD	4,829	0	3,809	439	14,947	83	4,814	0	1	22	221
MASS	0	2	126	3	163	4	1,113	0	3	232	35
MICH	75,201	222	6,712	1,984	26,695	7	33,656	0	19	521	1,088
MINN	262,333	659	16,484	1,256	34,289	0	79,956	0	578	101	525
MISS	48,605	0	53,274	0	11,710	436	21,086	0	0	22	0
MO	70,030	5	28,163	0	24,959	46	19,528	1	7	277	329
MONT	2,138	10	19,269	833	1,434	0	6,707	0	3,542	0	0
NEBR	498,740	763	37,574	2,201	113,927	0	23,433	0	1,046	56	2,886
NEV	430	0	259	832	2,469	0	84	5	690	46	12
N H	0	0	156	3	0	0	451	0	15	26	21
N J	129	2	863	5	1,131	72	2,655	4	48	199	340
N MEX	17,136	2	700	610	4,868	0	3,144	1	903	69	390
N Y	6,954	0	2,767	485	13,031	124	9,791	32	18	388	757
N C	10,802	22	18,360	265	97,914	5,167	932	0	4	1,348	4,195
N DAK	155,085	0	8,949	267	12,787	0	31,274	0	368	20	0
OHIO	102,940	61	4,883	3,314	76,097	27	60,762	0	3	340	1,532
OKLA	129,132	0	40,383	736	15,464	13	21,095	0	2,228	384	330
OREG	14,803	4,297	7,431	16,030	17,482	0	28,291	0	12,093	37	9,845
PA	3,171	9	1,482	620	11,613	9	25,423	0	1,923	385	977
R I	0	0	5	0	1	0	261	0	48	70	0
S C	2,976	46	9,685	329	49,393	1,339	738	0	939	49	1,576
S OAK	26,324	300	19,403	230	13,059	0	19,115	5	40	3	488
TENN	11,794	0	31,653	0	12,499	178	18,521	0	0	59	352
TEX	269,569	212	78,378	25,425	56,295	0	36,177	0	15,978	818	1,771
UTAH	2,538	0	8,993	5,415	428	29	819	105	611	21	1,406
VT	0	0	16	7	144	0	1,245	0	0	36	545
VA	50	4	4,555	272	40,186	514	2,036	16	170	57	2,427
WASH	56,257	21,622	19,204	7,394	36,361	0	26,111	0	7,941	406	15,249
W VA	0	0	1,565	0	38	20	1,995	0	0	23	2,006
WIS	75,889	536	9,449	1,140	33,714	0	37,249	0	25	506	196
WYO	6,789	0	8,241	25	3,691	8	925	0	388	1	72
P R	130	560	0	533	0	0	302	0	0	5	0
TOTAL	3,721,289	115,590	820,356	188,208	1,591,935	10,025	880,753	2,407	102,311	11,672	154,924

TABLE 11 -- AVAILABLE P₂O₅ CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,

YEAR ENDED JUNE 30, 1978

STATE	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS	PHOSPHATE ROCK 2/	SUPERPHOSPHATES		NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
				22% UNDER	OVER 22%		
- - - - NUTRIENT TONS - - - -							
ALA	35	0	0	1,256	138	85	5,256
ALAS	0	0	0	0	24	0	0
ARIZ	10,821	751	0	59	1,392	31	0
ARK	189	0	2	51	3,114	27	1
CALIF	64,117	7,628	173	7,217	11,025	2,285	4,919
COLO	4,082	0	2	2	2,816	29	923
CONN	815	0	0	19	175	198	906
DEL	0	0	0	4	1,056	7	2
D C	0	0	0	0	0	10	11
FLA	1,193	0	62	1,559	57	888	2,914
GA	6,255	39	0	508	2,618	238	2,098
HAW	103	0	41	36	2,662	0	433
IDAHO	9,925	0	0	0	9,910	0	5,643
ILL	311	33	0	140	95,101	214	26
IND	0	0	2	138	35,409	1	9
IOWA	568	930	317	731	62,660	81	364
KANS	1,203	0	0	297	8,221	44	327
KY	31	0	5	281	22,434	54	3
LA	95	471	0	41	1,254	73	141
MAINE	470	0	0	0	92	36	7
MD	0	0	0	39	4,951	14	10
MASS	3	0	0	35	150	183	27
MICH	38	0	1	25	10,313	419	38
MINN	1,138	2,422	16	6	32,820	86	106
MISS	0	0	0	228	7,126	16	1,721
MO	8	172	0	1	721	192	272
MONT	5,632	151	0	0	4,537	0	0
NEBR	2,566	0	0	184	18,985	47	0
NEV	1,095	1	0	2	276	46	0
N H	43	0	0	17	229	24	9
N J	200	0	0	9	414	150	112
N MEX	1,222	0	0	100	5,489	48	0
N Y	6	0	13	183	2,933	337	171
N C	0	0	2	1,814	2,634	263	859
N DAK	593	737	0	0	7,143	14	406
OHIO	7	107	16	242	37,118	277	33
OKLA	1,635	22	0	96	7,487	171	4,447
OREG	18,887	2	2	829	1,724	27	903
PA	8,332	0	26	70	6,043	325	112
R I	121	0	0	0	16	61	1
S C	1,206	0	4	82	1,151	40	2,113
S DAK	50	2,560	4	78	6,242	2	3
TENN	0	0	0	70	15,826	24	1
TEX	21,008	192	0	887	5,861	662	473
UTAH	854	928	15	250	10,548	16	0
VT	0	0	0	0	229	25	0
VA	718	0	0	321	1,705	39	65
WASH	13,440	1,144	1	127	3,863	329	127
W VA	0	0	0	0	2,265	15	1
WIS	27	3,164	13	2,698	28,425	411	59
WYO	485	527	0	0	755	0	15
P R	0	0	0	0	0	4	0
TOTAL	179,494	21,982	716	20,729	488,139	8,570	36,067

1/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0, AND 27-14-0. 2/ INCLUDES COLLOIDAL PHOSPHATE.

1/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0, AND 27-14-0, 2/ INCLUDES COLLOIDAL PHOSPHATE.

TABLE 12 -- K₂O CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,

YEAR ENDED JUNE 30, 1978

STATE	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM- SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
-- -- -- NUTRIENT TONS -- -- --							
ALA	11,833	441	5	613	0	94	14
ALAS	6	0	0	0	5	0	0
ARIZ	1,032	0	0	0	15	3	2
ARK	15,292	10	23	30	0	35	96
CALIF	18,190	165	1,846	0	1,307	3,358	826
COLO	6,365	658	82	0	759	50	46
CONN	1,529	0	17	0	0	127	11
DEL	7,121	0	1	0	0	13	0
D C	0	0	0	3	0	6	0
FLA	14,574	2,302	1,501	5,107	781	386	764
GA	13,328	4,167	304	1,010	40	159	542
MAW	2,921	40	34	0	0	0	1,357
IDAH0	4,129	0	0	0	9,918	0	182
ILL	538,687	168	0	0	43	21	242
IND	219,787	122	0	0	0	2	9,425
IOWA	360,272	23	0	0	0	30	679
KANS	32,768	0	0	0	0	7	0
KY	77,561	295	1	121	7,642	64	120
LA	4,067	3	0	4	0	96	2,103
MAINE	1,033	49	0	13	0	47	0
MO	17,836	0	67	42	279	27	0
MASS	1,501	6	4	0	0	195	78
MICH	123,314	651	18	0	558	295	5
MINN	301,727	741	8	0	59	18	182
MISS	12,448	0	0	0	0	3	0
MO	9,803	0	0	1	156	142	543
MONT	4,313	0	0	0	0	0	0
NEBR	37,447	7,592	0	0	203	20	7,895
NEV	7	0	1	0	16	25	0
N H	837	2	3	0	1	15	0
N J	3,675	21	7	11	15	99	16
N MEX	317	668	0	0	121	93	0
N Y	16,436	278	34	357	335	225	255
N C	7,787	124	237	2,266	11	142	371
N DAK	12,171	0	0	0	0	27	0
OHIO	203,081	389	33	12	273	301	653
OKLA	15,329	377	0	0	4	106	0
OREG	19,977	992	15	0	996	14	25
PA	21,365	122	2	7	18	139	99
R I	165	0	0	0	0	64	0
S C	8,939	1,279	165	491	0	44	0
S DAK	11,400	15	0	0	0	2	0
TENN	69,975	0	0	0	2,146	3	0
TEX	5,168	1,656	0	0	0	818	1,004
UTAH	1,999	0	7	4	32	15	0
VT	1,565	0	0	0	0	48	0
VA	8,459	32	34	155	58	59	57
WASH.	24,585	460	0	0	2,307	426	259
W VA	3,427	53	0	0	0	29	0
WIS	314,175	1,738	290	0	1,712	226	106
WYO	673	17	0	0	25	1	0
P R	0	10	0	0	198	0	0
TOTAL	2,590,401	25,667	4,736	10,248	30,030	8,120	27,958

TABLE 13 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1977

STATE	TONS	RANK														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL TOMS	13-13-13 193,990	8-24-24 93,880	4-12-12 47,602	8-8-8 42,461	5-10-15 42,005	5-15-30 19,683	3-9-18 19,003	0-24-24 14,692	0-20-20 13,686	10-10-10 12,332	4-12-24 11,117	3-10-20 8,418	4-10-20 8,128	10-10-20 7,113	0-20-15 0-30-15 21-27-0 194
ARIZ	ANAL TOMS	10-34-0 19,462	18-46-0 18,946	9-30-0 578	28-28-0 523	10-30-5 416	15-8-4 406	10-10-10 375	0-18-0 366	15-26-0 296	14-14-14 244	10-10-5 219	16-6-9 207	1-0-5 198	12-36-0 181	15-15-15 15-15-15 6,947
ARK	ANAL TOMS	13-13-13 55,728	0-24-24 31,552	10-20-10 28,164	5-15-30 23,449	12-24-12 23,449	0-24-24 21,111	0-17-34 19,914	8-24-24 16,214	12-12-12 16,109	0-15-30 15,338	0-15-30 14,244	6-24-24 12,919	10-20-20 8,738	20-10-10 7,068	15-15-15 6,947
CALIF	ANAL TOMS	10-34-0 53,315	12-12-12 44,885	18-46-0 39,224	4-10-10 36,495	10-30-5 31,195	6-20-20 27,687	16-16-16 16,001	27-12-0 17,369	14-7-14 14,572	20-30-20 13,654	9-24-6 12,685	16-6-8 12,087	21-7-14 11,950	8-24-0 11,645	20-10-0 11,332
COLO	ANAL TOMS	18-46-0 6,461	10-34-0 10,708	8-0-10 4,255	20-10-5 2,138	10-5-5 1,997	22-3-3 1,837	21-3-3 1,724	7-21-7 1,576	11-21-23 1,266	16-21-6 1,090	11-37-0 989	9-18-9 865	22-4-4 268	20-24-10 123	9-23-6 543
CONN	ANAL TOMS	10-10-10 6,947	5-10-10 3,216	8-10-10 2,942	10-6-4 2,788	26-3-4 2,534	15-10-10 2,051	15-0-12 1,119	24-5-3 1,032	12-7-11 1,011	12-15-15 746	26-3-6 782	16-8-12 733	15-15-15 717	5-10-20 717	10-20-20 594
DEL	ANAL TOMS	10-10-10 14,372	13-10-22 9,925	19-20-20 8,712	18-46-0 6,854	3-9-18 4,099	12-8-20 3,623	5-10-10 3,081	5-15-30 3,017	15-10-10 2,265	5-10-20 2,230	6-12-12 1,925	4-10-10 1,799	10-10-20 1,749	0-10-30 1,724	0-15-30 1,665
D C	ANAL TOMS	10-10-10 1,078	5-10-5 874	10-6-4 863	16-8-8 55	20-4-10 36	16-5-11 25	18-24-6 19	20-6-6 13	15-5-7 12	7-22-15 11	14-7-7 11	21-7-7 11	30-3-10 10	14-14-14 0	20-10-10 9
FLA	ANAL TOMS	6-6-6 75,802	10-10-10 58,692	5-10-15 55,261	12-0-12 53,426	16-0-16 48,946	6-8-8 38,615	13-13-13 31,288	12-2-12 31,154	16-4-8 30,250	16-8-8 29,021	8-8-8 25,937	4-12-12 20,756	3-9-18 17,943	10-10-10 17,826	4-8-8 15,988
GA	ANAL TOMS	5-10-15 494,254	3-9-18 126,435	4-12-24 107,226	0-10-20 88,902	4-8-12 80,902	7-14-21 49,544	10-10-10 34,436	6-12-18 35,646	9-16-24 27,060	3-9-9 21,342	6-12-12 19,475	3-10-20 17,052	10-34-0 16,514	12-13-13 14,774	3-0-24 14,222
IDAH0	ANAL TOMS	18-46-0 59,776	11-55-0 7,770	16-16-16 5,707	10-33-0 3,139	27-13-0 2,854	22-22-0 1,026	9-30-0 815	10-34-0 554	10-32-0 210	18-18-10 184	4-12-24 21,703	5-23-27 20,349	5-18-10 19,310	9-23-36 18,000	12-12-12 18,000
ILL	ANAL TOMS	18-46-0 624,444	6-24-24 96,289	4-15-21 52,465	3-9-12 44,955	6-18-6 34,373	10-34-0 30,276	8-32-16 29,495	4-12-24 25,772	4-12-24 24,325	5-23-27 23,230	5-20-35 21,703	3-10-27 20,349	5-18-10 19,310	9-23-36 18,000	12-12-12 18,000
IND	ANAL TOMS	6-24-24 215,117	18-46-0 144,811	0-24-24 115,421	4-12-24 97,508	4-12-24 96,092	10-34-0 84,631	3-9-9 77,798	7-21-7 65,336	12-12-12 61,119	5-18-10 43,785	4-10-10 41,502	13-13-13 41,414	9-32-16 31,033	10-5-10 28,616	10-5-10 26,102
IOWA	ANAL TOMS	18-46-0 476,788	6-24-24 49,597	4-15-21 44,558	9-32-16 39,763	10-34-0 37,666	20-10-10 34,292	3-10-27 33,059	4-12-24 27,047	5-18-18 25,728	7-21-7 23,606	5-15-25 16,731	6-20-15 15,268	7-23-5 13,206	3-9-27 12,207	9-18-9 12,159
KANS	ANAL TOMS	18-46-0 284,768	10-34-0 49,505	8-32-16 29,832	11-37-0 12,276	6-24-24 8,195	12-12-12 7,183	12-12-12 6,427	11-52-8 5,322	8-24-24 4,994	10-20-10 4,645	4-10-10 4,508	10-52-0 3,884	16-20-6 3,863	7-21-7 3,843	8-18-9 3,088
KY	ANAL TOMS	5-10-15 116,062	10-10-10 108,495	18-46-0 101,061	6-24-24 44,905	5-20-20 42,813	15-15-15 17,142	7-28-28 16,086	6-12-12 14,421	12-12-12 10,087	0-20-30 7,607	9-23-30 6,863	6-12-18 6,664	8-10-15 5,060	19-19-19 5,026	0-20-20 5,026
LA	ANAL TOMS	13-13-13 51,059	14-8-8 23,851	8-24-24 23,470	6-24-24 23,284	12-12-12 20,356	0-24-24 18,917	0-26-26 16,086	8-8-8 14,421	10-20-10 9,405	5-10-5 5,10-5	5-20-20 2,689	4-11-11 1,810	10-10-10 1,732	12-6-10 1,475	15-15-15 1,475
MAINE	ANAL TOMS	10-10-10 52,757	14-14-14 12,254	15-8-12 6,626	12-12-12 6,372	10-10-10 5,225	8-12-16 4,963	15-15-15 4,099	10-20-10 2,790	5-10-5 2,689	5-15-30 1,734	0-15-30 1,527	10-20-10 1,449	10-20-20 1,290	16-8-8 945	4-8-8 815
MD	ANAL TOMS	10-10-10 60,339	10-20-20 50,996	18-46-0 26,676	5-10-10 26,676	0-10-30 11,681	4-8-12 9,701	15-10-10 7,942	12-8-20 7,571	5-15-30 7,571	3-9-18 5,796	0-15-30 5,527	10-20-10 5,443	10-20-20 5,306	16-8-8 5,169	4-8-8 4,508
MASS	ANAL TOMS	10-10-10 9,155	5-10-10 3,092	26-3-3 3,553	10-6-4 3,018	15-8-12 2,494	15-15-15 2,204	25-3-3 2,087	10-20-10 1,584	8-25-3 1,584	10-24-6 1,584	13-13-13 1,449	10-20-20 1,290	5-20-20 9,142	19-19-19 9,142	9-18-9 6,204
MICH	ANAL TOMS	6-24-24 161,359	12-12-12 53,160	18-46-0 47,498	8-32-16 42,303	16-16-16 33,106	15-15-15 17,556	14-14-14 17,270	10-20-10 13,045	8-25-3 12,684	10-17-4 9,912	10-20-20 9,912	5-20-20 9,142	10-20-20 9,142	16-8-8 9,044	4-8-8 6,204
MINN	ANAL TOMS	18-46-0 362,493	10-34-0 33,701	6-24-24 28,389	11-55-0 22,246	15-8-12 15,954	7-21-7 13,147	15-38-10 13,147	8-32-16 11,649	7-23-5 11,260	9-18-9 8,994	3-10-27 8,159	5-14-22 7,468	9-10-30 7,056	4-15-21 7,050	17-17-17 6,086
MISS	ANAL TOMS	13-13-13 195,922	8-24-24 78,524	0-24-24 37,314	6-8-8 25,499	5-15-30 24,578	8-20-20 19,553	3-9-18 14,761	4-12-24 9,392	18-46-0 7,782	0-15-30 7,534	12-12-12 6,055	9-10-30 6,055	10-15-30 6,055	18-18-18 6,055	6-24-24 3,519
MO	ANAL TOMS	17-17-17 98,315	6-24-24 85,471	12-12-12 73,697	19-19-19 65,499	27-13-13 55,061	23-11-11 47,197	0-25-25 26,413	24-16-16 25,897	9-23-30 24,808	6-25-25 24,259	13-13-13 23,275	9-17-35 19,632	22-7-15 17,494	19-8-19 16,626	22-11-22 14,749

STATE	ANAL	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0
AL	83,177	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0
AR	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
CA	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	4-19-0
CO	190,404	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	4,270
CT	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	64
DE	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	296
FL	15-8-12	10-10-10	5-10-10	10-10-10	15-10-10	10-10-10	10-10-10	15-10-10	10-10-10	10-10-10	10-10-10	10-10-10	10-10-10	10-10-10	10-10-10	315
GA	3,190	21,158	1,121	1,117	903	631	631	138	522	419	433	407	338	319	315	296
HI	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
ID	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
IL	32,122	15,887	14,301	10,734	9,281	8,172	8,172	6,623	5,270	3,728	3,244	3,083	2,998	2,837	2,776	2,111
IN	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
IA	12,044	5,566	685	507	490	467	467	443	365	329	327	319	312	312	301	298
KS	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
KY	82,202	81,520	25,692	21,328	21,124	18,615	18,615	13,833	10,345	10,128	9,741	9,195	9,047	8,769	8,415	6,540
LA	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
ME	193,426	132,741	132,741	85,163	88,288	79,020	79,020	77,630	72,184	62,320	55,428	36,287	28,643	24,417	22,453	17,935
MD	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
MA	195,412	22,163	19,883	5,052	4,506	4,408	4,408	3,691	2,735	2,663	2,340	2,202	2,157	2,049	1,805	1,660
MI	6-24-24	18-46-0	11-55-0	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
MO	190,392	150,547	45,040	43,178	41,366	25,425	25,425	23,764	20,948	20,948	19,247	17,405	16,776	16,525	16,335	15,939
MT	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
NE	143,849	56,779	14,103	11,747	9,501	8,154	8,154	7,399	7,375	5,697	5,450	4,734	4,570	4,299	2,464	2,072
NH	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
NJ	20,183	18,348	11,293	5,607	5,496	4,985	4,985	4,078	3,395	2,539	1,124	830	617	794	740	638
NM	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
NY	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
NC	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
ND	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
OH	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
OK	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
OR	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
PA	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
RI	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
SC	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
SD	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
TENN	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
TEX	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
UTAH	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
VT	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
VA	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
WASH	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
WY	18-46-0	11-55-0	20-30-3	10-30-0	28-14-0	27-12-0	23-23-0	25-25-0	16-16-16	30-10-0	22-4-4	25-3-7	10-34-0	9-15-0	22-22-0	15
TOTAL	3,594,816	1,062,731	698,799	798,508	752,729	685,560	685,560	496,450	474,728	411,373	379,141	334,136	304,666	304,239	303,303	278,762

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 14 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1978

STATE	RANK														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL 13-13-13 186,208	8-24-24 83,958	6-8-8 39,342	5-15-30 37,955	5-10-15 36,679	4-12-12 29,061	3-9-18 21,133	0-24-24 15,517	0-20-20 14,456	4-12-24 10,997	10-10-10 10,693	15-10-10 9,958	3-10-20 9,171	0-18-18 8,142	10-34-40 6,033
ARIZ	ANAL 10-34-4 16,701	18-18-0 11,920	18-18-0 11,920	11-54-0 11,228	26-14-0 810	15-8-4 408	10-30-5 326	0-20-20 324	33-20-0 323	23-37-0 309	12-24-12 276	12-24-12 266	0-18-36 259	16-6-8 257	0-15-30 247
ARK	ANAL 13-13-13 55,051	10-20-10 23,059	5-15-30 23,059	12-24-12 20,414	0-24-24 18,713	0-24-24 17,587	0-17-34 15,757	10-20-20 15,075	8-24-24 12,466	0-15-30 11,573	12-12-12 11,145	0-18-36 10,864	6-24-24 8,083	20-10-10 7,536	4-12-24 6,994
CALIF	ANAL 10-34-4 55,864	12-12-12 31,984	19-0-0 29,552	18-46-0 26,174	6-20-20 25,897	4-10-10 24,139	16-16-16 19,660	8-24-6 15,953	21-7-14 15,953	20-10-0 13,998	27-12-0 13,830	16-6-8 12,455	13-13-13 12,167	15-15-15 11,934	15-10-10 10,878
COLO	ANAL 18-46-0 65,826	10-34-0 13,114	10-5-5 2,652	20-19-5 2,578	22-3-3 1,764	11-55-0 1,464	7-21-7 1,312	21-3-3 1,167	20-20-10 1,114	0-23-10 1,002	16-20-6 969	22-4-4 959	12-50-0 831	25-3-7 602	8-20-6 538
CONN	ANAL 10-10-10 6,351	10-6-4 2,685	5-10-10 2,552	26-3-3 2,319	8-10-10 1,719	15-10-10 1,709	6-3-6 1,421	12-7-10 1,280	15-8-12 1,220	12-15-15 1,065	25-3-3 950	5-13-5 944	16-8-12 891	2-1-2 594	10-20-20 562
DEL	ANAL 10-10-10 10,785	10-20-20 6,843	18-46-0 6,865	13-10-22 4,071	3-9-18 3,234	12-8-20 3,173	8-10-10 2,523	5-15-30 2,213	5-10-10 2,112	15-10-10 1,922	5-10-20 1,491	10-10-20 1,425	5-10-15 1,425	6-12-12 1,419	3-6-18 1,250
D.C.	ANAL 10-10-10 1,125	10-6-4 980	5-10-5 875												
FLA	ANAL 70,763	10-10-10 58,067	12-0-12 56,449	16-0-16 44,842	5-10-15 38,521	6-8-8 37,396	13-13-13 30,682	12-2-12 30,263	16-4-8 30,297	10-8-8 27,455	20-10-10 21,450	8-9-9 21,345	20-5-10 18,606	0-2-8 16,557	0-10-40 16,139
GA	ANAL 5-10-15 410,383	3-9-18 112,650	4-12-24 83,943	0-10-20 70,359	4-8-12 59,574	16-10-10 37,251	7-14-21 34,970	2-2-2 22,210	13-13-13 17,794	6-12-10 17,396	0-16-24 15,781	10-20-20 15,691	3-10-20 14,605	6-12-12 14,383	3-6-24 12,662
IOWA	ANAL 18-46-0 60,300	10-33-0 7,785	27-13-0 6,474	11-55-0 4,976	16-16-16 4,664	22-22-0 1,490	10-34-0 1,241	10-32-0 740	18-18-10 185						
ILL	ANAL 18-46-0 506,849	6-24-24 74,321	3-10-30 46,997	3-9-12 43,356	5-17-21 29,268	6-18-6 25,029	10-34-0 22,405	8-32-16 20,147	5-20-35 20,345	9-23-30 17,624	0-23-30 16,287	5-23-27 14,821	5-15-20 14,506	4-13-26 14,013	4-10-10 13,503
IND	ANAL 6-24-24 170,973	9-24-24 136,112	18-46-0 123,762	10-34-0 107,703	4-12-24 99,319	4-12-24 94,365	3-9-9 75,016	7-21-7 63,547	13-13-13 42,942	4-10-10 41,200	10-5-10 38,531	0-15-40 37,137	5-18-21 33,753	20-5-10 31,483	0-9-27 28,741
IOWA	ANAL 18-46-0 527,597	3-10-30 40,719	6-24-24 39,640	10-34-0 37,269	8-32-16 36,202	20-10-10 29,273	7-21-7 24,460	3-9-27 21,698	5-17-21 16,190	5-15-25 13,974	4-12-24 13,843	7-23-5 13,243	6-18-18 13,032	5-23-27 12,598	10-20-20 11,953
KANS	ANAL 205,039	18-46-0 54,266	25-0-11 25,611	12-50-0 12,673	6-24-24 6,083	11-33-0 5,928	11-55-0 5,156	4-10-10 4,747	12-24-12 4,747	11-52-0 4,107	16-20-6 4,020	11-54-0 3,687	10-20-10 3,624	12-12-12 3,090	7-21-7 2,911
KY	ANAL 5-10-15 99,984	18-46-0 99,012	10-10-10 87,376	6-24-24 35,648	5-20-20 30,911	15-15-15 17,152	6-12-12 8,613	8-28-8 8,595	0-23-30 7,758	9-23-30 7,653	6-12-12 6,618	19-19-19 5,703	12-12-12 5,048	8-10-15 4,944	4-16-4 3,913
LA	ANAL 13-13-13 52,236	8-24-24 25,933	6-24-24 22,637	0-20-20 21,912	14-8-8 20,125	0-24-24 17,861	12-12-12 17,773	8-8-8 14,682	0-17-34 10,427	10-10-10 8,243	12-6-10 7,972	18-18-9 7,303	4-11-11 7,176	0-20-30 6,946	15-15-15 6,695
MAINE	ANAL 10-15-15 45,325	14-14-14 13,723	12-12-12 6,967	15-8-12 5,982	10-10-10 4,630	15-15-15 3,939	8-12-16 3,568	10-20-10 2,679	5-10-10 2,551	12-15-15 2,460	5-20-20 1,934	12-18-18 1,802	8-12-12 1,755	10-20-20 1,662	12-16-16 1,483
MD	ANAL 10-10-10 52,148	10-20-20 42,948	18-46-0 22,124	5-10-10 11,143	0-10-30 9,805	4-8-12 8,157	15-10-10 6,489	5-15-30 6,265	12-8-8 5,947	12-8-8 5,450	6-24-24 5,448	16-8-8 4,322	3-9-18 4,082	0-15-30 3,736	4-8-16 3,658
MASS	ANAL 10-10-10 8,961	5-10-10 4,004	26-3-3 3,679	10-0-4 3,428	15-8-12 2,815	15-15-15 2,674	10-20-10 2,095	25-3-3 1,922	18-4-8 1,637	14-4-8 1,615	15-10-10 1,373	5-10-5 1,306	10-20-20 1,268	16-8-12 1,056	8-10-10 994
MICH	ANAL 6-24-24 166,696	18-46-0 50,255	8-24-16 48,181	12-12-12 38,872	16-16-16 30,424	8-25-3 16,377	15-15-15 15,995	19-19-19 13,728	14-14-14 13,443	10-20-20 13,342	10-34-0 12,971	10-20-10 11,441	13-13-13 8,875	6-26-26 8,290	9-10-9 6,964
MINN	ANAL 18-46-0 339,113	9-24-24 25,589	10-34-0 24,951	7-21-7 18,126	5-20-20 17,568	7-23-5 13,096	9-18-9 11,490	11-55-0 10,359	8-18-8 8,849	8-32-16 8,398	11-52-0 8,113	15-28-10 6,710	5-16-42 6,264	10-20-20 5,127	10-26-26 4,354
MISS	ANAL 13-13-13 163,157	8-24-24 54,204	4-24-24 32,088	0-17-34 28,672	0-15-30 22,875	6-8-8 22,132	0-15-30 17,943	0-20-20 17,690	3-9-18 13,287	4-12-24 10,052	8-8-8 9,748	19-44-0 5,366	12-12-12 5,235	15-10-10 3,069	6-24-24 2,676
MO	ANAL 17-17-17 87,381	6-24-24 64,487	12-12-12 55,052	23-11-11 53,355	19-19-19 40,821	19-19-19 40,821	13-13-13 23,927	22-7-15 22,725	13-13-13 21,683	24-16-16 20,296	0-25-25 17,684	1-17-35 16,201	22-11-22 15,761	6-25-25 14,486	21-13-12 13,955

STATE	12-66-0	11-55-0	20-20-5	10-30-0	29-13-0	23-23-0	17-17-17	30-10-0	26-13-0	25-25-0	9-18-9	4-10-10	8-24-5	3-78-9	3-122	35-17-0
AL	18-46-0	11-55-0	20-20-5	10-30-0	29-13-0	23-23-0	17-17-17	30-10-0	26-13-0	25-25-0	9-18-9	4-10-10	8-24-5	3-78-9	3-122	35-17-0
AL	65,553	24,778	12,790	5,150	3,687	1,977	1,470	897	562	512	109	3,057	3,789	3,122	2,772	18-4-5
NEBR	18-46-0	10-34-0	7-21-7	8-32-8	11-55-0	11-52-0	8-22-14	11-37-0	9-32-16	11-54-0	9-18-9	4-10-10	8-24-5	3,789	3,122	35-17-0
NEBR	149,778	76,129	27,912	10,939	6,453	6,854	6,854	6,135	5,198	4,872	3,851	3,057	3,789	3,122	2,772	18-4-5
NEV	1-2-0	16-4-8	17-10-5	30-10-0	10-34-0	18-46-0	22-4-4	6-2-0	22-3-3	12-12-12	15-5-7	15-15-15	10-5-5	10-5-5	85	75
NEV	500	707	321	208	197	169	151	136	112	138	132	98	10-5-5	85	75	18-4-5
N H	15-8-12	10-10-10	10-20-10	5-10-10	10-20-20	15-10-10	15-15-15	24-3-3	5-20-20	8-16-10	20-10-10	18-46-0	10-15-15	10-15-15	25-3-3	296
N H	3,625	2,551	1,137	1,135	971	946	585	575	542	409	391	310	296	296	296	296
N J	10-10-10	5-10-10	10-6-4	10-20-20	15-15-15	24-3-3	16-8-8	5-10-5	18-46-0	3-9-12	25-3-3	6-12-36	0-10-40	0-10-40	1,302	5-10-15
N J	27,010	11,086	9,925	9,266	7,857	6,241	5,813	3,946	3,315	3,144	2,344	1,461	1,397	1,302	1,302	5-10-15
N MEX	18-46-0	10-34-0	13-13-13	7-21-7	12-50-0	11-55-0	16-8-8	10-10-10	22-4-4	8-24-0	4-10-10	5-20-20	3-15-6	3-15-6	256	17-22-5
N MEX	7,886	5,268	2,019	1,824	1,196	924	509	553	362	281	276	255	256	256	249	17-22-5
N Y	15-15-15	10-20-20	6-24-24	10-20-10	10-10-10	10-6-4	8-16-8	13-13-13	18-46-0	0-10-40	5-10-5	6-12-36	5-10-10	5-10-10	5,760	5-20-20
N Y	78,087	73,253	30,074	23,494	15,346	15,301	15,278	10,147	9,817	9,460	8,992	7,143	6,184	6,184	6,628	5-20-20
N C	10-10-10	3-9-9	5-10-10	3-9-18	4-8-12	6-12-18	5-15-30	10-20-20	2-6-12	8-8-8	5-10-30	6-14-36	4-12-24	4-12-24	18,813	8-24-24
N C	180,253	150,674	109,301	70,603	67,289	61,047	60,681	59,277	54,388	52,761	50,981	23,467	23,467	23,467	18,813	15,852
N DAK	18-46-0	10-34-0	11-55-0	15-38-10	8-32-16	30-12-12	12-36-12	25-25-0	22-25-12	12-36-15	9-18-9	4-10-10	14-36-13	14-36-13	13-52-0	30-16-8
N DAK	157,942	24,985	21,442	5,897	4,477	4,397	3,917	2,964	2,889	2,330	1,634	1,634	1,634	1,634	1,438	1,438
OHIO	6-24-24	18-46-0	15-15-15	8-32-16	12-12-12	16-34-0	6-26-26	8-25-3	4-10-10	10-10-10	16-16-16	3-10-30	6-14-36	6-14-36	9-23-30	3-10-10
OHIO	158,666	141,139	40,985	35,636	32,671	25,277	26,162	19,723	18,780	16,009	17,320	14,935	15,830	14,935	13,026	12,586
OKLA	18-46-0	10-20-10	12-12-12	6-24-24	14-14-14	16-20-6	13-13-13	20-10-10	10-34-0	15-40-5	14-28-14	10-20-30	15-16-4	15-16-4	2-343	8-32-4
OKLA	96,742	44,162	14,137	11,595	10,880	6,434	5,574	4,839	4,698	2,724	2,518	2,484	2,484	2,484	2,202	1,822
ORE	16-16-16	18-46-0	10-34-0	11-55-0	27-12-0	26-9-5	15-15-15	10-20-20	22-12-6	5-10-10	15-5-10	15-25-9	20-10-10	20-10-10	761	6-8-0
ORE	15,145	12,284	6,553	8,284	7,882	3,893	2,707	2,453	1,400	1,117	882	775	775	775	761	6-8-0
PA	10-20-20	10-10-10	5-10-10	20-20-20	15-15-15	16-20-24	10-10-10	20-10-10	8-24-0	16-4-8	0-15-30	5-10-5	8-24-0	8-24-0	6,720	8-32-16
PA	78,121	62,457	26,639	25,347	20,554	20,000	19,857	15,809	13,254	12,013	7,790	7,117	7,444	7,444	6,720	6,697
R I	10-10-10	10-15-15	10-6-4	5-10-10	12-7-10	14-14-14	15-15-15	15-8-12	18-4-8	12-3-8	11-54-0	11-52-0	15-10-10	15-10-10	148	6-10-4
R I	1,392	1,234	1,157	869	797	689	424	379	328	244	228	171	171	171	148	147
S C	10-10-10	3-9-9	3-9-9	5-15-30	5-10-10	0-15-30	0-10-20	8-9-27	0-10-20	4-0-12	6-18-36	4-12-18	2-6-12	2-6-12	5-10-30	5-10-15
S C	88,483	81,450	35,395	31,522	31,476	25,120	23,120	23,413	19,642	17,678	14,944	13,212	14,085	13,212	12,186	10,870
S DAK	18-46-0	7-21-7	10-34-0	20-10-10	25-25-0	20-20-10	29-14-0	11-55-0	20-10-0	8-32-16	16-20-6	25-15-5	20-20-0	20-20-0	1,286	20-14-0
S DAK	79,672	7,015	5,857	5,364	4,078	3,968	3,486	3,438	2,659	2,360	1,726	1,478	1,715	1,478	1,286	1,094
TENN	18-46-0	6-12-12	15-15-15	10-10-10	5-10-10	8-24-24	13-13-13	12-24-12	14-13-5	10-20-10	17-17-17	22-11-5	18-18-5	24-8-0	18-9-3	18-9-3
TENN	75,994	78,796	28,432	26,370	24,319	23,012	20,568	19,890	15,772	14,860	8,853	5,717	5,717	5,717	5,185	4,686
TEX	20-10-0	12-12-12	18-46-0	10-34-0	16-6-12	16-17-9	13-13-13	12-24-12	14-13-5	10-20-10	17-17-17	22-11-5	18-18-5	24-8-0	18-9-3	18-9-3
TEX	85,977	83,009	67,901	66,981	65,233	63,425	55,897	34,235	36,000	34,354	26,128	26,396	26,396	26,396	17,519	17,519
UTAH	18-46-0	29-14-0	30-10-0	16-16-0	72-4-4	24-20-0	10-34-0	16-16-16	5-20-0	10-20-10	6-10-4	6-4-2	3-8-5	8-8-8	20-10-5	20-10-5
UTAH	27,226	1,359	856	553	520	444	427	380	280	248	188	143	143	143	140	140
VT	15-8-12	15-15-15	10-20-10	10-10-10	15-10-10	18-46-0	5-20-20	5-10-10	8-12-12	16-8-12	15-8-16	8-16-16	0-25-25	0-25-25	0-10-40	0-10-40
VT	6,124	5,175	2,722	2,513	1,675	1,666	1,614	1,576	1,412	1,172	943	825	825	799	784	784
VA	10-10-10	5-10-10	3-9-18	2-6-12	18-20-20	24-314	13-13-13	8-8-8	5-10-15	6-18-36	18-46-0	6-8-12	12-24-24	12-24-24	6-12-18	6-12-18
VA	84,338	55,169	30,776	29,684	24,314	24,314	13,663	13,917	13,917	11,924	10,522	9,640	9,640	9,569	9,569	9,569
WASH	18-46-0	16-16-16	10-34-0	27-12-0	10-20-20	9-30-0	11-51-0	11-55-0	5-10-10	10-6-4	22-4-4	12-4-6	25-3-7	25-3-7	9-3-6	9-3-6
WASH	41,401	14,547	11,768	5,885	2,961	2,879	1,593	1,188	711	671	565	387	387	387	316	316
W VA	10-20-20	5-10-10	10-10-10	12-12-12	6-24-24	5-10-15	10-20-10	6-12-12	18-46-0	15-15-15	9-25-25	3-18-18	12-24-24	12-24-24	19-19-19	19-19-19
W VA	8,637	8,055	7,661	1,689	899	795	762	665	569	499	499	172	164	164	138	138
WIS	18-46-0	6-24-24	9-23-30	16-46-0	0-14-42	5-23-27	6-32-16	7-20-20	7-31-12	3-10-30	6-2-0	7-23-5	18-10-10	18-10-10	9-18-9	9-18-9
WIS	169,018	84,991	27,213	17,900	9,522	9,032	8,425	7,715	6,723	6,546	4,944	4,327	4,327	4,228	4,015	4,015
WYO	18-46-0	12-50-0	10-34-0	11-37-0	30-10-0	1-1-1	2-1-2	7-21-7	11-5-6	22-4-4	22-5-5	4-10-10	22-5-5	22-5-5	20-10-5	20-10-5
WYO	7,024	1,822	1,316	842	293	154	123	96	59	56	36	24	24	24	24	24
TOTAL 1/	18-46-0	6-24-24	10-10-10	13-13-13	5-10-15	10-20-20	10-20-20	12-12-12	3-9-9	5-10-10	15-15-15	4-12-24	8-24-24	8-24-24	271,745	5-15-30
TOTAL 1/	3,161,468	916,971	814,374	704,587	659,952	607,971	422,458	365,040	354,692	313,097	303,664	271,745	271,745	271,745	243,432	243,432

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 15 -- TONNAGES OF THE 150 MOST POPULAR MIXTURES CONSUMED,
YEARS ENDED JUNE 30, 1977 AND 1978 1/

GRADE	CONSUMPTION		PROPORTION OF TOTAL		GRADE	CONSUMPTION		PROPORTION OF TOTAL	
	1977	1978	1977	1978		1977	1978	1977	1978
	TONS	TONS	PERCENT	PERCENT		TONS	TONS	PERCENT	PERCENT
0-9-27	60,435	73,158	.25	.33	9-18-9	69,047	63,918	.29	.29
0-10-20	169,805	134,325	.71	.61	9-23-30	144,072	127,126	.60	.58
0-10-30	77,954	44,224	.33	.20	10-5-10	50,308	60,934	.21	.28
0-10-40	49,016	49,187	.21	.22	10-6-4	81,315	72,463	.34	.33
0-12-36	13,978	18,349	.06	.08	10-10-10	898,799	814,374	3.77	3.72
0-14-14	18,677	17,924	.08	.08	10-10-20	53,669	55,779	.22	.25
0-14-42	37,713	34,599	.16	.16	10-15-15	57,107	49,691	.24	.23
0-15-30	95,268	92,349	.40	.42	10-20-10	219,005	189,500	.92	.87
0-15-40	37,363	48,213	.16	.22	10-20-20	474,728	422,658	1.99	1.93
0-17-34	39,048	58,548	.16	.27	10-20-30	31,831	35,030	.13	.16
0-17-35	22,087	20,694	.09	.09	10-26-26	34,173	27,406	.14	.13
0-18-36	51,958	43,926	.22	.20	10-30-0	18,316	23,809	.08	.11
0-20-20	91,421	81,026	.38	.37	10-30-0	605,560	607,971	2.54	2.78
0-23-30	76,892	61,548	.32	.28	10-40-10	19,981	25,755	.08	.12
0-24-24	99,959	91,316	.42	.42	11-37-0	61,480	23,074	.26	.11
0-24-26	116,119	130,537	.49	.60	11-52-0	48,454	43,463	.20	.20
0-25-25	69,534	52,583	.29	.24	11-54-0	0	18,024	.00	.08
0-26-26	99,256	82,927	.42	.38	11-55-0	113,171	105,168	.47	.48
0-42-33	1,282	21,122	.01	.10	12-0-12	54,815	56,124	.23	.26
2-6-12	149,292	133,782	.63	.61	12-2-12	31,154	30,306	.13	.14
3-9-9	303,303	313,097	1.27	1.43	12-4-8	35,316	30,963	.15	.14
3-9-12	62,871	59,872	.26	.27	12-6-6	64,490	50,490	.27	.23
3-9-18	411,373	358,692	1.72	1.63	12-12-12	496,450	365,040	2.08	1.67
3-9-27	35,668	52,121	.15	.24	12-24-12	87,704	77,041	.37	.35
3-10-10	43,422	41,059	.18	.19	12-24-24	56,378	52,781	.24	.24
3-10-20	33,668	31,954	.14	.15	12-50-0	1,764	29,523	.01	.13
3-10-30	42,666	138,497	.18	.63	13-13-13	752,729	704,587	3.15	3.22
3-18-18	19,347	18,574	.08	.08	13-52-0	33,508	36,766	.14	.17
4-8-12	194,221	172,309	.81	.79	14-0-14	20,662	25,364	.12	.12
4-10-10	162,606	124,773	.68	.57	14-7-7	50,778	46,963	.21	.21
4-12-12	97,612	71,047	.41	.32	14-7-14	28,020	24,665	.12	.11
4-12-24	334,136	271,745	1.40	1.24	14-8-8	25,284	21,243	.11	.10
4-12-36	99,540	102,327	.42	.47	14-13-5	0	36,000	.00	.16
4-13-26	21	70,184	.00	.14	14-14-14	113,468	102,789	.48	.47
5-10-5	46,318	43,167	.19	.20	15-5-5	20,911	17,870	.09	.08
5-10-10	379,141	305,664	1.59	1.40	15-5-10	16,539	20,836	.07	.10
5-10-15	798,508	659,952	3.35	3.02	15-8-12	34,889	32,587	.15	.15
5-10-30	61,045	85,196	.26	.39	15-10-10	82,652	67,664	.35	.31
5-15-20	15,508	21,365	.07	.10	15-15-15	308,666	301,026	1.29	1.38
5-15-25	24,562	18,718	.10	.09	15-40-5	23,789	23,063	.10	.11
5-15-30	278,762	243,432	1.17	1.11	16-0-16	49,767	45,770	.21	.21
5-17-21	47	51,658	.00	.24	16-4-8	41,087	40,542	.17	.19
5-18-21	43,816	33,840	.18	.15	16-6-12	94,992	70,343	.40	.32
5-20-10	25,001	22,291	.10	.10	16-8-8	111,660	99,838	.47	.46
5-20-20	142,399	105,754	.60	.48	16-10-10	7,198	18,599	.03	.08
5-20-35	28,796	25,653	.12	.12	16-16-16	146,098	123,019	.61	.56
5-23-27	40,862	36,826	.17	.17	16-17-9	0	63,425	.00	.29
6-6-6	76,507	72,247	.32	.33	16-20-6	24,454	26,340	.10	.12
6-6-12	20,067	18,298	.08	.08	16-20-24	11	20,009	.00	.09
6-8-8	64,674	60,184	.27	.28	16-48-0	208	17,587	.00	.08
6-12-6	19,213	19,387	.08	.09	17-17-17	181,205	184,009	.76	.84
6-12-12	156,586	119,734	.66	.55	18-9-3	10,462	17,654	.04	.08
6-12-18	158,331	115,811	.66	.53	18-18-5	39,201	34,860	.16	.16
6-18-6	86,994	69,892	.36	.32	18-46-0	3,594,816	3,161,468	15.06	14.45
6-18-18	27,515	57,957	.12	.26	19-9-0	32,987	33,708	.14	.15
6-18-36	79,208	63,174	.33	.29	19-9-19	18,276	25,554	.08	.12
6-20-20	32,838	30,431	.14	.14	19-19-19	129,304	117,816	.54	.54
6-24-24	1,062,731	916,971	4.45	4.19	20-0-20	17,524	23,360	.07	.11
6-26-26	40,537	37,786	.17	.17	20-5-10	48,645	64,637	.20	.30
14-21	75,008	53,423	.31	.24	20-10-0	104,062	104,484	.44	.48
21-7	163,385	166,673	.68	.76	20-10-5	20,306	23,395	.09	.11
22-5	17,802	20,517	.07	.09	20-10-10	154,835	144,191	.65	.66
23-5	53,316	46,525	.22	.21	20-20-5	7,294	19,766	.03	.09
28-28	50,601	48,562	.21	.22	20-20-20	13,946	28,216	.06	.13
31-12	26,185	24,963	.11	.11	21-7-14	16,823	32,206	.07	.15
8-0-24	22,443	20,244	.09	.09	22-7-15	17,799	23,952	.07	.11
8-8-8	216,219	186,155	.91	.85	22-11-0	17,053	27,212	.07	.12
8-16-8	23,115	22,926	.10	.10	22-11-22	19,344	19,028	.08	.09
8-16-16	23,464	22,402	.10	.10	23-11-11	50,975	56,647	.21	.26
8-16-24	53,901	40,505	.23	.19	24-8-0	19,788	21,526	.08	.10
8-24-0	23,298	19,290	.10	.09	24-16-16	27,929	22,538	.12	.10
8-24-8	20,535	18,964	.09	.09	25-3-3	26,982	29,881	.11	.14
8-24-24	308,239	247,410	1.29	1.13	26-3-3	46,586	45,095	.20	.21
8-25-3	35,516	41,471	.15	.19	27-12-0	29,269	27,664	.12	.13
8-32-16	269,030	233,816	1.13	1.07	27-13-13	56,928	55,106	.24	.25
TOTAL						18,816,210	17,194,632	78.85	78.58

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS1 YEAR ENDED JUNE 30	NUMBER		TONS		PERCENT OF TOTAL	
	1977	1978	1977	1978	1977	1978
GRADES OF 10,000 TONS OR MORE	207	210	20,012,002	18,144,367	83.86	82.92
GRADES 5,000 TONS TO 9,999 TONS	132	120	905,753	854,653	3.80	3.91
GRADES 2,500 TONS TO 4,999 TONS	204	197	702,041	713,575	2.94	3.26
LESS THAN 2,500 TONS AND GRADE NOT REPORTED			2,244,092	2,169,052	9.40	9.91
TOTAL (48 STATES AND DISTRICT OF COLUMBIA)			23,863,888	21,881,647	100.00	100.00

1/ EXCLUDES ALASKA, HAWAII AND PUERTO RICO AND GRADES MADE BY ONLY ONE COMPANY.

TABLE 16 -- AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1978

STATE	MIXTURE 1/				MATERIAL 2/					TOTAL IN MIXTURES AND MATERIALS
	N	AVAILABLE P2O5	K2O	TOTAL	SINGLE NUTRIENT					
					N	AVAILABLE P2O5	K2O	MULTIPLE NUTRIENT	TOTAL	
- - - PERCENT - - -										
ALA	8.42	14.87	16.66	39.95	36.35	13.07	56.87	20.34	33.96	37.87
ALAS	13.43	20.26	14.63	48.32	38.69	54.00	54.50	.00	39.49	46.30
ARIZ	13.80	34.29	1.55	49.65	43.44	46.85	59.28	42.21	43.42	44.49
ARK	9.02	17.00	19.16	45.18	42.78	43.21	59.93	21.23	44.22	44.77
CALIF	12.80	16.71	7.37	36.87	31.55	32.06	45.40	29.17	31.42	32.80
COLO	16.28	36.66	1.39	54.34	46.55	46.01	51.86	48.66	46.90	48.90
CONN	12.93	8.25	8.90	30.07	43.23	35.40	60.99	15.80	31.15	30.45
DEL	9.34	15.30	15.73	40.37	33.68	45.80	61.00	7.56	41.71	40.88
D C	11.97	7.93	6.38	26.28	39.16	45.00	.00	6.43	19.58	25.50
FLA	10.17	6.33	14.01	30.51	32.85	14.46	47.13	27.10	32.28	30.78
GA	5.89	10.93	16.70	33.52	34.13	17.35	41.74	37.77	34.02	33.70
HAW	14.52	19.94	14.18	48.64	27.80	25.86	37.09	61.10	29.44	42.85
IDAHO	17.60	39.76	.86	58.23	35.94	49.41	51.21	39.82	38.03	41.46
ILL	11.77	29.02	10.06	50.84	51.53	44.97	60.03	17.68	54.10	52.97
IND	7.16	20.41	16.92	44.49	44.74	45.13	57.58	15.96	48.47	46.45
IOWA	13.00	31.77	8.68	53.44	56.50	42.23	60.95	29.62	56.66	55.54
KANS	14.50	39.03	2.78	56.31	53.28	42.97	60.00	35.02	53.32	54.14
KY	9.80	20.47	13.43	43.70	42.51	44.52	58.72	13.37	47.79	45.56
LA	9.49	15.89	16.80	42.19	40.76	34.74	24.00	10.65	38.06	40.81
MAINE	11.03	13.86	13.99	38.88	42.01	44.11	55.63	24.88	39.05	38.89
MD	9.42	15.44	14.29	39.14	36.01	44.37	60.75	17.48	42.55	40.16
MASS	13.74	10.14	9.47	33.35	40.70	35.99	59.63	7.86	25.81	32.04
MICH	10.35	23.27	16.10	49.72	49.09	45.66	59.61	9.04	51.89	50.69
MINN	13.92	34.69	8.06	56.67	58.55	44.83	59.86	34.74	58.11	57.60
MISS	7.83	16.09	18.69	42.61	43.70	25.46	60.97	10.61	42.85	42.72
MO	14.81	14.91	18.63	48.35	47.69	40.83	55.24	8.81	47.22	48.09
MONT	16.81	41.52	.83	59.15	36.18	45.20	60.00	41.99	39.35	49.08
NEBR	13.52	35.82	2.75	52.09	56.23	45.79	38.93	34.55	54.03	53.61
NEV	13.31	8.91	4.32	26.55	30.91	44.10	51.47	28.88	30.71	29.97
N H	12.72	11.65	12.48	36.86	39.24	41.67	59.86	11.18	38.47	37.18
N J	11.69	10.93	11.27	33.88	36.77	36.12	59.91	10.61	35.22	34.10
N MEX	13.56	30.51	3.52	47.59	52.69	43.93	29.12	26.76	47.08	47.24
N Y	11.09	16.21	14.63	41.94	39.75	38.28	58.19	11.71	40.39	41.58
N C	6.48	11.23	15.99	33.70	29.39	32.09	58.99	25.80	30.09	32.66
N DAK	16.27	40.92	2.60	59.80	62.85	46.46	60.04	39.65	61.73	60.91
OHIO	10.10	23.99	15.18	49.26	43.89	44.44	60.29	7.43	48.98	49.12
OKLA	14.21	30.29	6.87	51.37	53.83	45.28	57.55	39.65	53.03	52.46
OREG	16.32	25.93	6.26	48.51	34.26	28.65	55.01	40.28	37.21	38.96
PA	10.89	15.91	14.27	41.07	41.34	44.14	60.38	41.62	45.36	42.24
R I	11.69	12.11	9.35	33.15	44.75	45.28	61.00	10.74	18.93	28.69
S C	5.27	10.82	18.28	34.37	29.08	24.40	49.90	48.21	31.41	33.44
S DAK	17.27	34.59	2.68	54.54	43.16	49.22	59.99	26.45	45.08	48.91
TENN	9.89	21.28	13.81	44.98	38.99	45.74	60.51	10.61	47.02	46.87
TEX	14.36	15.86	6.19	36.42	49.00	39.06	44.08	29.43	46.41	40.88
UTAH	18.99	19.59	2.99	41.57	30.43	43.82	60.34	34.64	35.24	35.84
VT	11.52	14.48	13.36	39.36	39.32	46.00	60.00	7.01	40.03	39.50
VA	8.37	12.05	14.05	34.46	30.11	38.37	59.84	31.12	32.62	34.01
WASH	16.16	32.90	3.82	52.88	35.87	45.03	58.18	32.28	37.31	39.89
W VA	8.66	14.66	13.69	37.01	37.21	44.56	58.53	6.82	42.13	39.13
WIS	11.92	29.21	13.53	54.66	47.71	42.00	59.39	10.94	53.17	53.65
WYO	15.68	40.66	.34	56.68	41.83	51.93	55.16	35.70	42.35	44.96
P R	13.80	6.30	11.70	31.80	25.02	.00	47.14	10.60	26.30	31.46
TOTAL	10.73	19.64	12.79	43.16	45.39	40.36	58.16	30.36	46.85	45.07

1/ GUARANTEED TO CONTAIN 2 OR MORE OF THE PRIMARY NUTRIENTS N, P₂O₅, K₂O.

2/ INCLUDES ONLY MATERIALS GUARANTEED TO CONTAIN 1 OR MORE PRIMARY NUTRIENTS.

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1978

STATE	GRADE 1/						
	11-48	13-39	16-20	16-48	18-46	21-53	27-14
	-- TONS --						
ALA	0	0	173	0	4,853	0	0
ALAS	0	0	0	0	45	0	0
ARIZ	11,249	0	27,107	0	11,920	0	0
ARK	0	67	913	0	4,784	0	0
CALIF	66,171	56	161,627	1	26,174	8	26
COLO	7,422	0	2,595	0	65,826	0	0
CONN	1,697	0	0	0	0	0	0
DEL	0	0	0	0	6,065	0	0
D C	0	0	0	0	0	0	0
FLA	0	12	13	0	128	2,237	0
GA	11,981	13	104	0	7,996	903	0
HAW	128	0	6	0	26,353	76	0
IDAHO	6,690	0	33,567	0	60,300	0	0
ILL	0	100	123	0	506,849	466	0
IND	0	0	0	0	123,762	0	0
IOWA	0	0	45	0	527,597	1,055	0
KANS	691	102	4,160	9	205,039	0	0
KY	0	0	0	2	99,012	59	0
LA	0	142	199	0	1,103	0	0
MAINE	0	1,206	0	0	50	0	0
MD	0	0	0	0	22,124	0	0
MASS	0	0	0	0	1,415	6	0
MICH	0	0	1	0	58,255	72	0
MINN	890	955	1,311	0	339,013	0	542
MISS	0	0	0	0	5,366	0	0
MO	0	0	41	0	1,588	0	0
MONT	5,033	0	13,926	0	65,553	16	2,802
NEBR	753	0	11,021	0	149,778	0	0
NEV	678	0	3,849	0	169	0	0
N H	0	109	0	0	391	0	0
N J	416	0	0	0	3,315	0	0
N MEX	135	207	5,882	0	7,886	0	0
N Y	3	0	24	0	9,817	0	0
N C	0	0	0	0	0	0	0
N DAK	724	0	1,225	0	157,942	0	0
OHIO	0	0	0	0	141,139	14	0
OKLA	0	315	7,425	175	96,742	51	0
OREG	12,372	1,338	61,458	0	12,284	17	898
PA	17,358	0	0	0	1,074	0	0
R I	0	0	0	0	146	228	0
S C	127	0	0	0	0	2,160	0
S DAK	0	0	249	0	79,672	0	0
TENN	0	0	0	0	75,994	0	0
TEX	0	5,143	95,010	0	67,901	0	0
UTAH	545	0	2,619	0	2,226	0	488
VT	0	0	0	0	1,666	0	0
VA	1,415	100	1	0	10,522	0	0
WASH	9,874	832	41,878	0	41,401	0	0
W VA	0	0	0	0	589	0	0
WIS	0	0	136	17,400	149,018	0	0
WYO	0	0	2,425	0	7,024	0	0
P R	0	0	0	0	0	0	0
TOTAL	156,352	10,697	478,513	17,587	3,187,866	7,368	4,756

1/ IN OTHER TABLES, ALL QUANTITIES OF GRADE 11-48, 13-39, 16-20, 21-53, AND 27-14 ARE INCLUDED IN MATERIALS;
WHEREAS, 16-48 AND 18-46 ARE INCLUDED IN MIXTURES.

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1970--CONTINUED

STATE	GRADE						
	10-34	11-37	11-55	13-52	23-23	28-14	30-10
	-- TONS --						
AS	6,033	158	0	151	7	3	2
IZ	0	0	50	0	0	0	0
K	16,701	0	194	0	0	0	0
LIF	829	0	0	0	0	15	17
	55,864	0	7,217	2,658	0	0	18
LO	13,114	259	1,464	0	0	0	350
NN	0	0	0	0	0	0	0
L	403	0	0	0	0	0	0
C	0	0	0	0	0	0	0
A	258	36	0	0	0	0	0
W	400	0	0	32	0	0	0
AHO	0	110	0	0	0	0	0
L	1,251	0	4,976	0	0	0	0
D	24,605	1,354	506	3,909	0	0	0
	107,703	6,508	0	3,094	0	0	0
WA	37,269	273	3,817	7,558	0	0	127
NS	54,268	1,208	5,756	252	0	0	826
	2,731	1,703	0	2	0	0	0
INE	956	40	0	0	0	0	0
	0	0	0	0	0	0	0
SS	898	0	0	0	0	0	0
CH	61	0	0	0	0	0	1
NN	12,971	0	0	1,838	0	0	0
SS	24,451	486	10,359	3,634	187	694	65
	349	0	0	0	0	0	0
NT	4,609	180	63	0	0	7	180
RR	0	0	24,778	0	1,977	0	897
V	76,129	6,135	8,458	1,248	0	17	417
H	197	0	11	0	0	0	208
	78	0	0	0	0	0	0
J	99	0	0	0	0	0	0
MEX	5,268	8	924	73	0	0	25
Y	3,620	271	0	1,625	0	0	0
C	1,234	74	18	233	0	0	0
DAK	24,985	0	21,442	1,438	346	48	6
IO	25,277	0	0	6,033	0	0	0
LA	4,698	145	0	0	0	41	48
EG	8,553	0	8,284	0	0	0	160
I	805	0	0	609	0	0	173
	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0
DAK	5,857	72	3,238	113	0	1,094	111
NN	0	0	0	0	0	0	0
X	66,981	3,121	1,334	2,165	0	6,886	4,481
AH	427	0	0	0	0	48	656
	0	0	0	0	0	0	0
SH	21	48	0	1	6	0	11
VA	11,768	0	1,188	0	0	0	0
S	0	0	0	0	0	0	0
	4,944	156	1,043	100	0	0	0
O	1,316	842	3	0	0	0	293
R	0	0	0	0	0	0	0
TOTAL	607,971	23,184	105,218	36,766	2,523	8,853	9,072

TABLE 18 -- CONSUMPTION OF NITROGEN SOLUTIONS BY DIRECT-APPLICATION,
YEARS ENDED JUNE 30, 1977 AND 1978

STATE	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1977	1978	1977	1978	1977	1978
ALA	0	0	88,456	67,080	0	0
ALAS	0	0	0	0	0	0
ARIZ	9,016	9,697	60,745	66,043	0	0
ARK	0	0	39,099	20,725	5	23
CALIF	145,838	133,668	191,289	207,204	2	4,942
COLO	3,692	13,460	0	62	36,458	62,571
CONN	0	63	453	10	397	23
DEL	0	0	26,820	21,433	331	234
D C	0	0	0	0	50	60
FLA	1,665	284	86,379	76,803	0	0
GA	50,021	30,550	466,449	368,781	7	40
HAW	0	0	0	0	0	0
IDAHO	10,625	0	47,141	59,267	677	0
ILL	463	543	522,384	494,128	22,818	11,273
IND	0	0	459,724	508,405	2,761	397
IOWA	54	4,486	389,551	446,067	3,840	2,487
KANS	968	0	298,176	286,367	0	0
KY	8	0	71,615	75,872	20	6,260
LA	0	0	24,878	17,880	0	0
MAINE	0	0	0	0	0	0
MD	0	0	66,561	49,689	146	117
MASS	0	0	528	508	39	4
MICH	829	0	104,057	95,198	533	2
MINN	0	32	139,179	115,207	8,753	4,720
MISS	0	0	50,184	41,820	0	0
MO	0	110	107,381	85,736	0	52
MONT	20	0	5,115	5,121	0	0
NEBR	13,746	16,627	364,256	388,448	915	491
NEV	0	0	4,961	7,716	0	0
N H	0	0	295	0	842	0
N J	44	0	4,666	3,771	0	0
N MEX	0	0	13,759	15,213	0	0
N Y	20	703	44,278	40,558	13	72
N C	766	113	392,517	324,744	6,153	1,321
N DAK	0	0	46,139	45,669	0	0
OHIO	8,613	4,595	273,505	266,537	897	884
OKLA	2,012	1,112	53,861	53,737	0	0
OREG	1,289	18	55,305	54,621	0	0
PA	227	0	509	7	40,529	34,150
R I	0	0	1	4	0	0
S C	20,222	17,992	201,244	156,681	0	0
S DAK	0	0	38,350	45,725	17	97
TENN	0	0	52,143	39,067	0	0
TEX	2,008	7,691	203,648	174,275	5,078	0
UTAH	0	0	4,066	1,380	0	0
VT	0	0	1,507	457	0	0
VA	0	0	175,025	133,907	0	0
WASH	8,032	6,117	88,624	109,950	0	89
W VA	0	0	5,781	126	0	0
WIS	0	475	112,647	119,239	1,499	328
WYO	49	14	8,345	11,679	25	0
Z R	0	0	0	0	0	0
TOTAL	280,235	248,310	5,381,596	5,102,917	132,805	130,637

TABLE 19--MICRONUTRIENTS SOLD FOR FERTILIZER IN THE UNITED STATES

REGION OF APPLICATION	QUANTITY OF THE ELEMENT SOLD				
	COPPER	IRON	MANGANESE	ZINC	MOLYBDENUM
	TONS				
	JULY 1, 1976-JUNE 30, 1977 ^{1/}				
NEW ENGLAND (ME, NH, VT, MASS, RI, CONN)	8.5	0.6	51.8	77.0	0.0
MID-ATLANTIC (NY, NJ, PA, DEL, DC, MD, W VA)	80.2	29.2	402.9	238.2	0.2
SOUTH ATLANTIC (VA, NC, SC, GA, FLA)	586.0	1,127.2	8,820.7	4,911.7	4.4
EAST NORTH CENTRAL (OHIO, IND, ILL, MICH, WIS)	110.0	454.7	5,577.2	2,534.8	35.0
WEST NORTH CENTRAL (MINN, IOWA, MO, N DAK, S DAK, NEBR, KANS)	239.1	530.6	1,873.1	9,830.0	24.3
EAST SOUTH CENTRAL (KY, TENN, ALA, MISS)	26.6	256.2	933.4	2,115.2	3.3
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	141.0	873.2	816.8	3,882.5	3.4
MOUNTAIN (MONT, IDAHO, WYO, COLO, N MEX, ARIZ, UTAH, NEV)	24.9	712.6	493.1	2,468.5	0.0
PACIFIC (WASH, OREG, CALIF)	55.4	732.7	931.7	5,614.0	3.8
ALAS, HAW, PR	2.3	11.2	2.1	35.4	2.2
TOTAL	1,274.0	4,728.2	19,902.8	31,707.3	76.6
	TONS				
	JULY 1, 1977-JUNE 30, 1978				
NEW ENGLAND (ME, NH, VT, MASS, RI, CONN)	8.4	10.2	46.7	91.9	0.2
MID-ATLANTIC (NY, NJ, PA, DEL, DC, MD, W VA)	112.3	43.6	259.0	274.0	0.3
SOUTH ATLANTIC (VA, NC, SC, GA, FLA)	670.2	1,039.1	8,713.1	7,517.0	7.1
EAST NORTH CENTRAL (OHIO, IND, ILL, MICH, WIS)	112.1	209.0	5,077.5	2,560.1	47.2
WEST NORTH CENTRAL (MINN, IOWA, MO, N DAK, S DAK, NEBR, KANS)	180.7	456.5	2,069.6	9,630.4	14.5
EAST SOUTH CENTRAL (KY, TENN, ALA, MISS)	43.6	234.5	882.5	1,671.4	19.0
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	147.8	862.4	611.4	3,080.8	18.8
MOUNTAIN (MONT, IDAHO, WYO, COLO, N MEX, ARIZ, UTAH, NEV)	31.9	828.2	442.7	5,177.2	2.4
PACIFIC (WASH, OREG, CALIF)	63.1	583.3	453.5	6,462.4	4.1
ALAS, HAW, PR	0.4	9.0	2.3	0.7	2.0
TOTAL	1,370.5	4,275.8	18,558.3	36,465.9	115.6

^{1/} REVISED.

TABLE 20--CONVERSION FACTORS AND AVERAGE ANALYSES
CONVERSION FACTORS

TO CONVERT	TO	MULTIPLY BY
P ₂ O ₅	P	0.43642
P	P ₂ O ₅	2.29137
K ₂ O	K	0.83016
K	K ₂ O	1.20459

AVERAGE ANALYSES FOR YEAR ENDING JUNE 30, 1978

ITEM	N	P ₂ O ₅	K ₂ O
MIXED FERTILIZERS	10.73	19.64	12.79
NITROGEN MATERIALS:			
ANHYDROUS AMMONIA	82.0		
AQUA AMMONIA	20.0		
AMMONIUM NITRATE	33.5		
AMMONIUM SULFATE	20.9		
NITROGEN SOLUTIONS	29.0		
SODIUM NITRATE	16.0		
UREA	45.5		
AMMONIUM NITRATE LIMESTONE	19.7		
PHOSPHATE MATERIALS:			
PHOSPHATE ROCK 1/		2.8	
SUPERPHOSPHATE (22% & UNDER)		19.5	
SUPERPHOSPHATE (OVER 22%)		45.3	
PHOSPHORIC SOLUTIONS		52.2	
AMMONIUM PHOSPHATE	15.6	27.3	
POTASH MATERIALS:			
POTASSIUM CHLORIDE			60.3
POTASSIUM MAGNESIUM SULFATE			22.0
POTASSIUM NITRATE	13.2		44.0
POTASSIUM SODIUM NITRATE	15.0		14.5
POTASSIUM SULFATE			49.0
ORGANIC MATERIALS	2.9	2.1	2.0

1/ INCLUDES COLLOIDAL PHOSPHATE.

